Chrysler / Dodge Minivan

Service Manual

2005 - 2007

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www.rollxvans.com

CHRYSLER / DODGE MINIVAN
2005 - 2007
SERVICE MANUAL

#07274-007
April 2010

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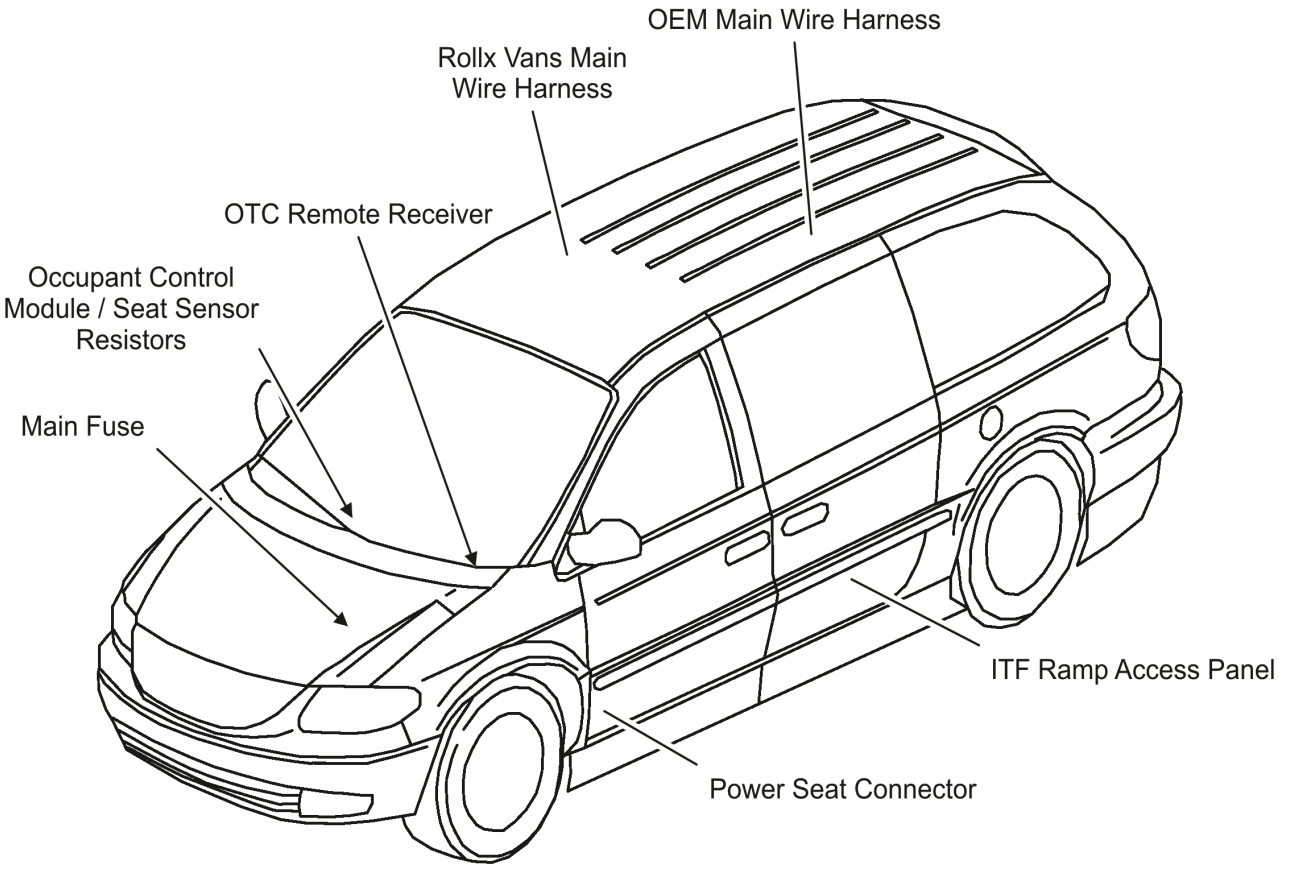
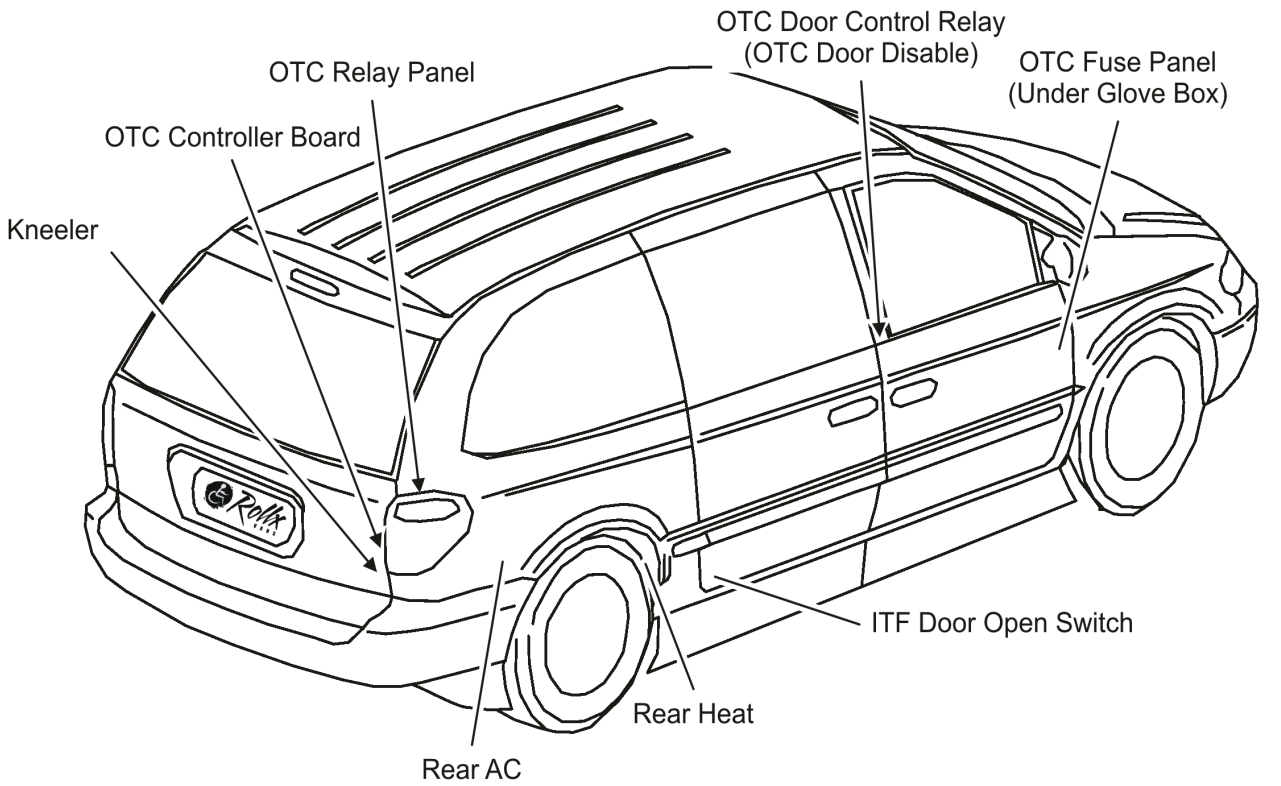
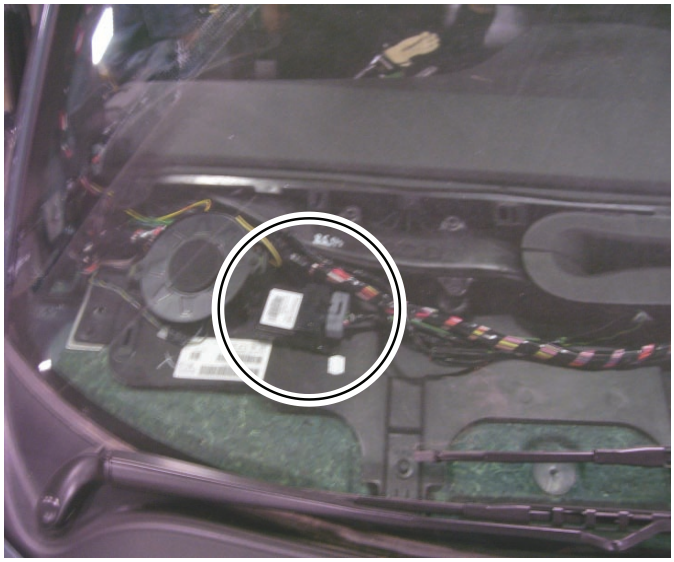
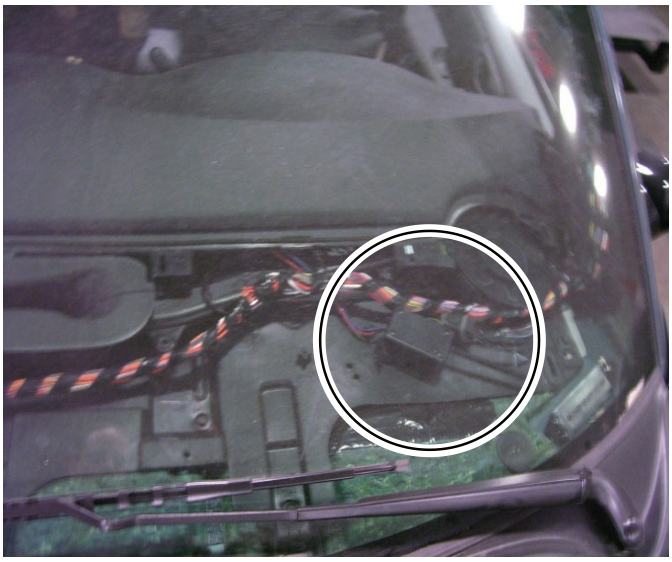

OEM Main Wire Harness
Rollx Vans Main Wire Harness
OTC Remote Receiver
Occupant Control Module / Seat Sensor Resistors
Main Fuse
ITF Ramp Access Panel
Power Seat Connector


OTC Door Control Relay (OTC Door Disable)
OTC Fuse Panel (Under Glove Box)
OTC Relay Panel
OTC Controller Board
Kneeler
ITF Door Open Switch
Rear Heat
Rear AC

Occupant Control Module (OCM)

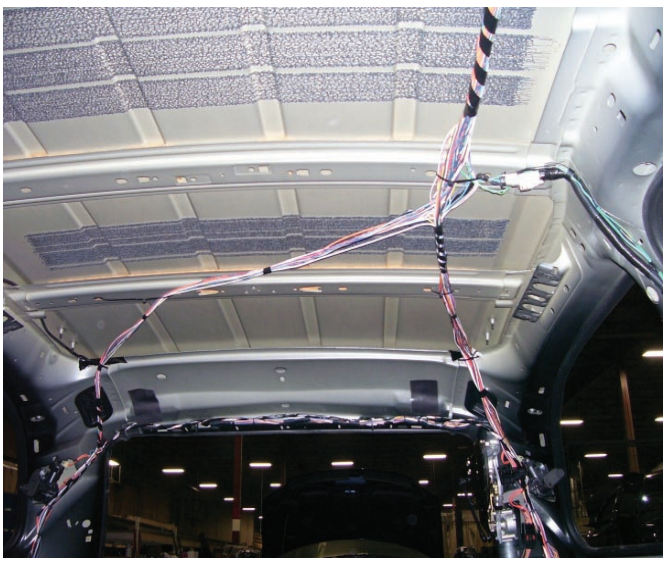


OTC Remote Receiver



OEM Wire Harness 1

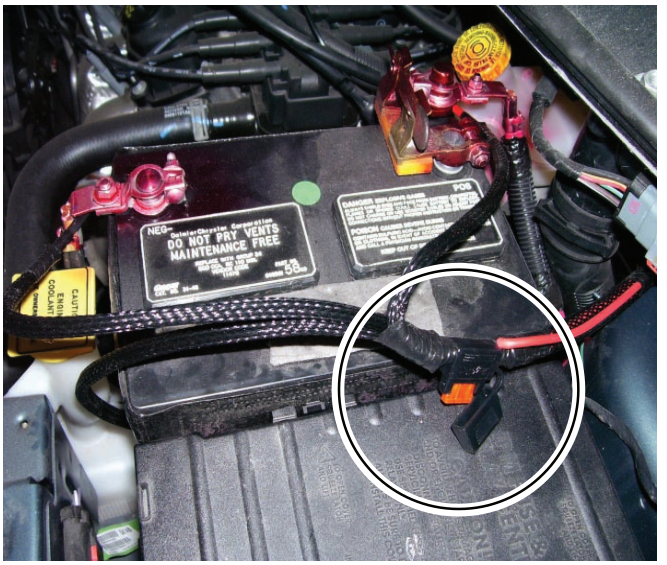
OEM Wire Harness 2



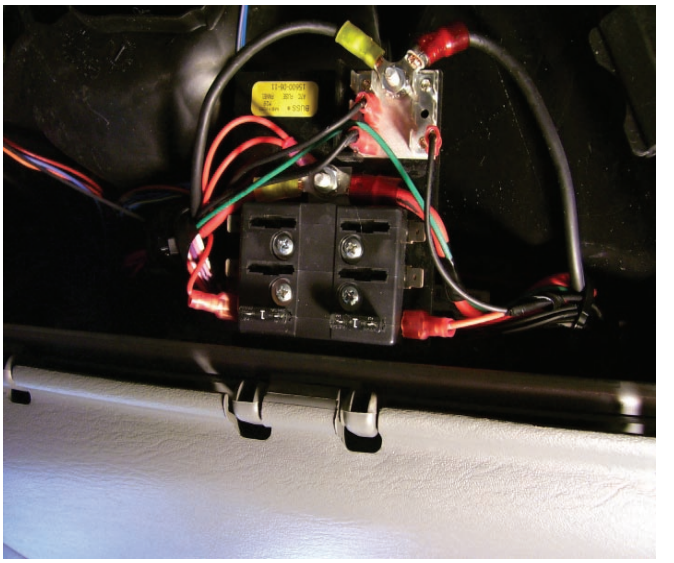
Rollx Vans Main Wire Harness 1

Rollx Vans Main Wire Harness 2

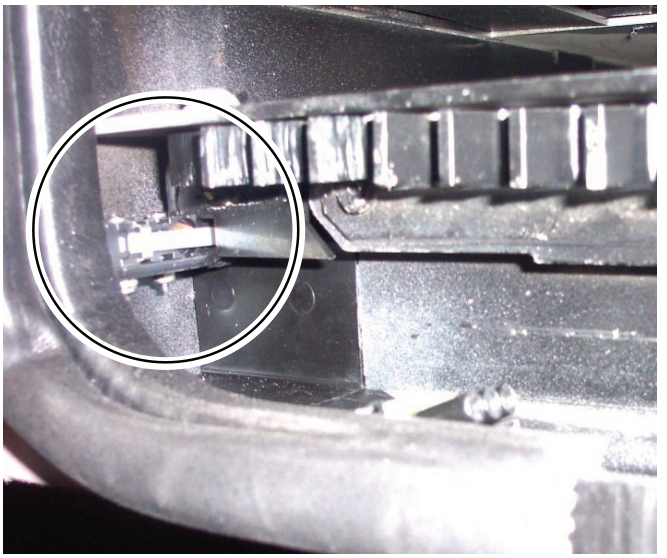
Main Fuse



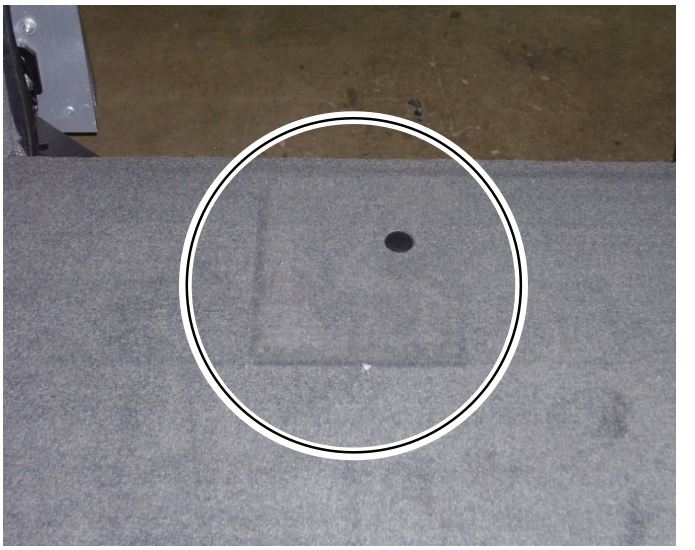
OTC Fuse Panel (Under Glove Box)



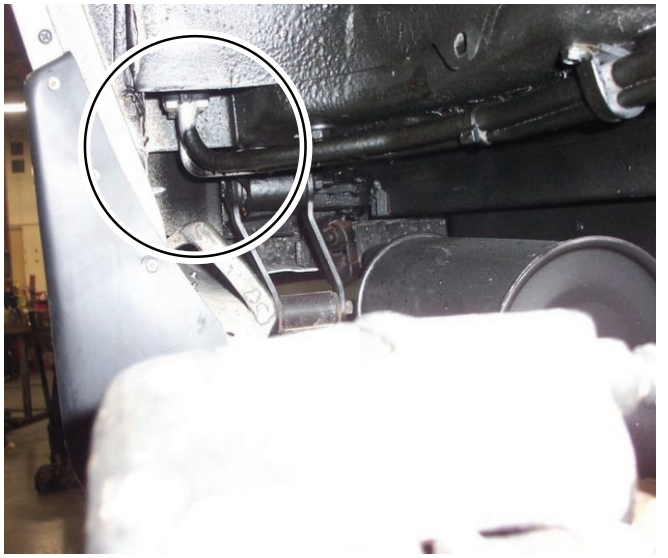
ITF Door Open Switch



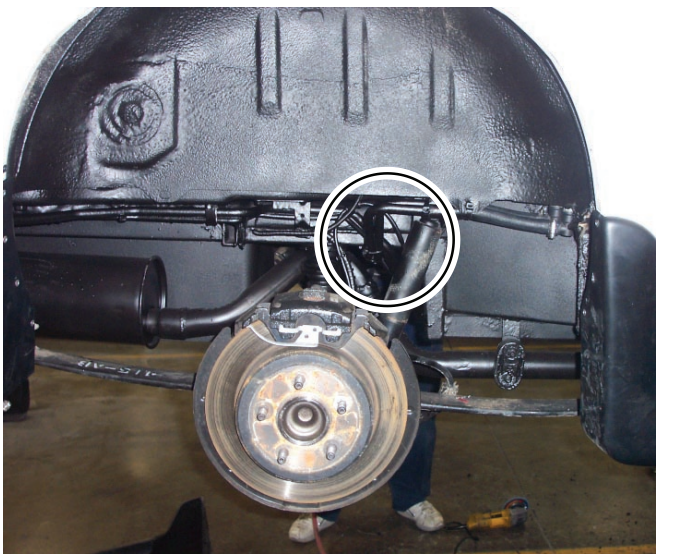
ITFRamp Access Plate



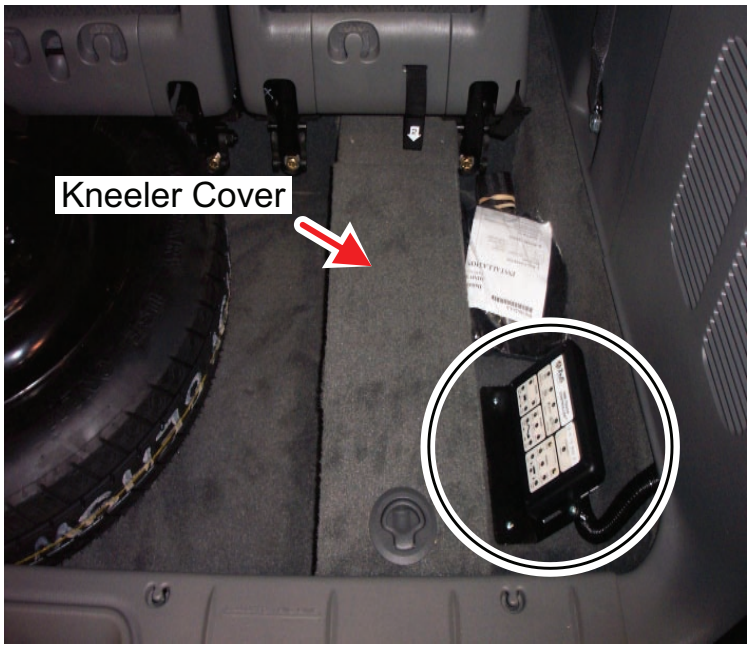
Rear AC



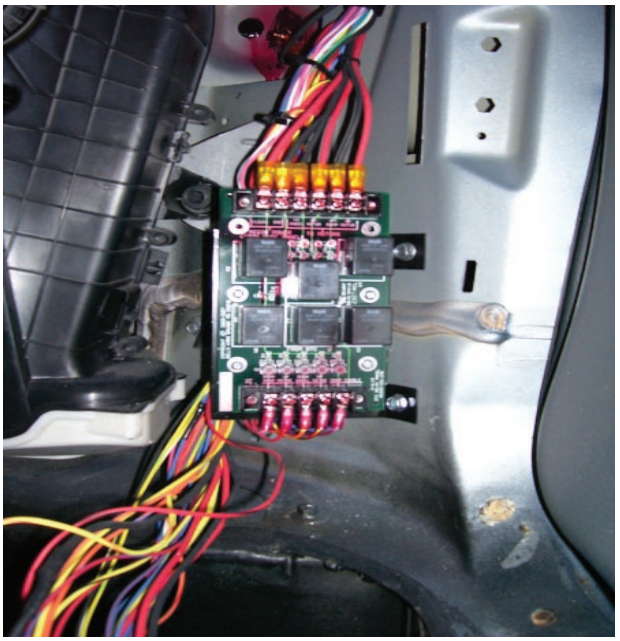
Rear Heat



Kneeler and OTC Control Board



OTC Relay Board



Power Seat Connector

OTC Door Control Relay

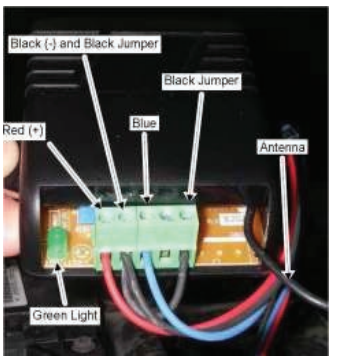
*** If remote does not work first try to operate door and ramp from any interior Rollx Vans user button. If interior Rollx Vans user button operates normally, see below for remote system troubleshooting**

Symptom	Possible Cause	Remedy
Door does not open when One Touch remote is pressed.	Receiver out of range.	Try remote within 10 feet of van.
	Overhead on/off switch is turned to the OFF position.	Turn switch to ON position.
	Remote battery is dead.	Remove case by loosening screw on back and prying open. Replace battery with battery type A23. Use second remote or Rollx Vans user button.
	Remote lost its program	Reprogram remote with receiver or install new chip (all receivers with #910R-08 sticker on the chip have the possibility of needing replacement. Call Customer Service..
Neither One Touch remote works.	Blown fuse.	Locate fuse box under glove box and check / replace fuse.
	Receiver malfunction.	Review display on OTC board and contact customer service.

OTC Remote Receiver (Before 1/8/2009)

OTC Remote Receiver (After 1/8/2009)

OTC Remote Receiver (Rear View)



OTC Remote Transmitter Opened

Each Rollx Vans Transmitter has a unique code. These codes are applied to the transmitter either by a trace cutting method or a DIP switch programming method. This is done at the Rollx Vans Factory. In order to program the transmitter(s) to the receiver the following process must be done!

Learning a New Button Code (channel 1)

1. Press mode switch #1 for three seconds. The green LED will start to flash quickly. If no green LED lights, ensure power is getting to the unit through the 1 Amp fuse in the Rollx Vans Fuse Panel.

2. While the green LED is flashing quickly, press a button on a compatible transmitter. The green LED will flash once and then turn off to show that button was learned.

3. Repeat steps 1 and 2 to learn more buttons into channel 1.

NOTE — The green LED will flash a maximum of 15 seconds. If no transmitter button is pressed during this time, the receiver will exit the code-learning mode, and the green LED will turn off.

Note Regarding Code Learning

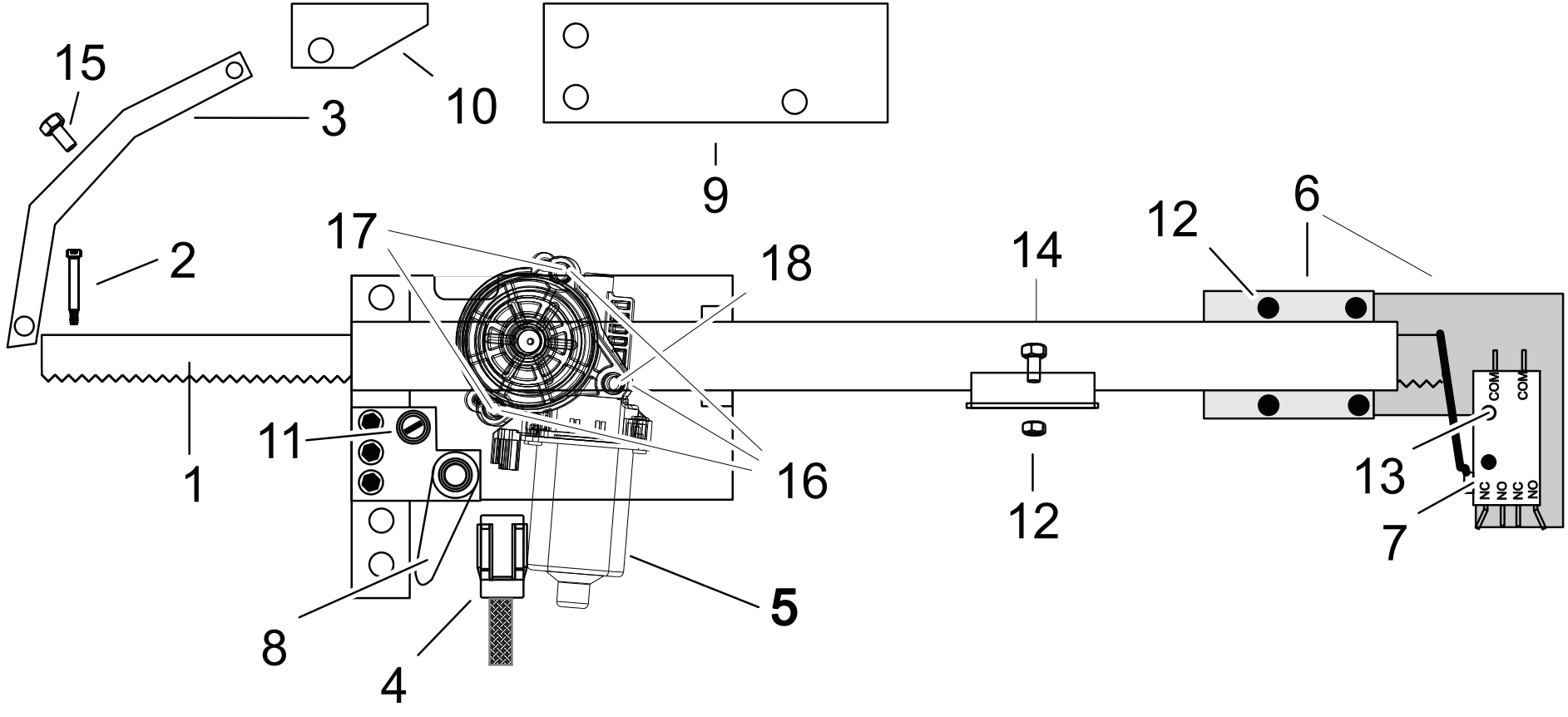
1. The receiver will only learn the code of a particular button once. Once a button's code is learned, if you try to code-learn that button again, whether it is for the same channel or not, the receiver will exit code learning mode.

2. Each channel can learn the codes of a maximum of 15 transmitter buttons. If you attempt to learn a sixteenth button, the earliest code learned will be deleted.

3. To clear all codes — Press the appropriate mode switch (#1 or #2) for three seconds. When the LED starts flashing, press that switch again for three seconds. The LED flashes twice to indicate that all codes associated with that channel are now deleted.

*From SECO-LARM Manual

Rollx Vans Power Door Exploded View



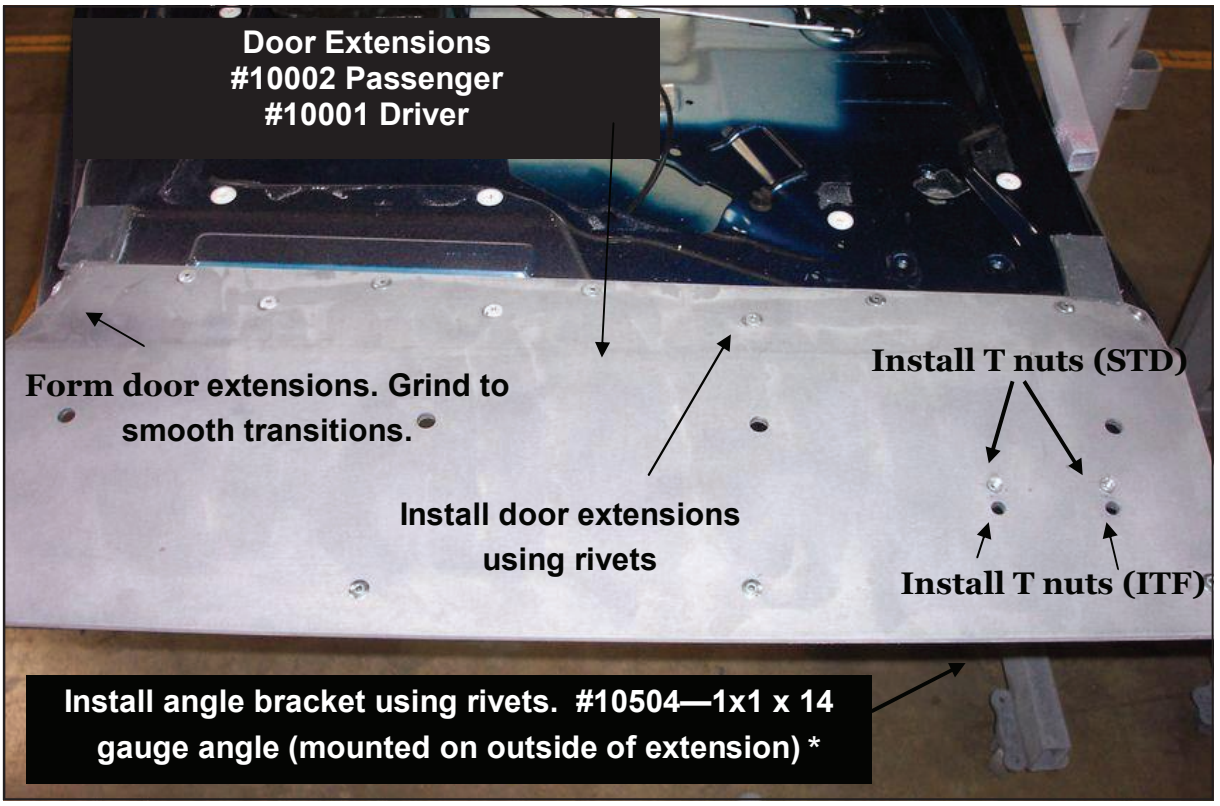
Item	Qty.	Description	Part #
	1	DOOR BAR ASM (INCLUDES THE 3 FOLLOWING)	10026ASM
	1	MTR BAR DOOR OPENER (RACK AND ASSEMBLY)	10026
	1	WIRE HARNESS 5.5" FOR	310-1059
	1	MTR 12V 10NM 10MM DOUBLE	210-1011
1	1	GEAR RACK (SPECIFY LONG OR SHORT)*	10026-4
		LONG BAR	
2	1	3/8 X 1 STRIP	1126318
3	1	ARM BAR (FOR MOTOR BAR)	10026-22
4	1	WIRE HARNESS 5.5" FOR	310-1059
5	1	MOTOR ONLY W/GEAR ASM (INCLUDES WIRE HARNESS AND SHIMS**)	10026-15ASM

* LONG USED BEFORE ~2001 IF NO REAR HEAT & AIR

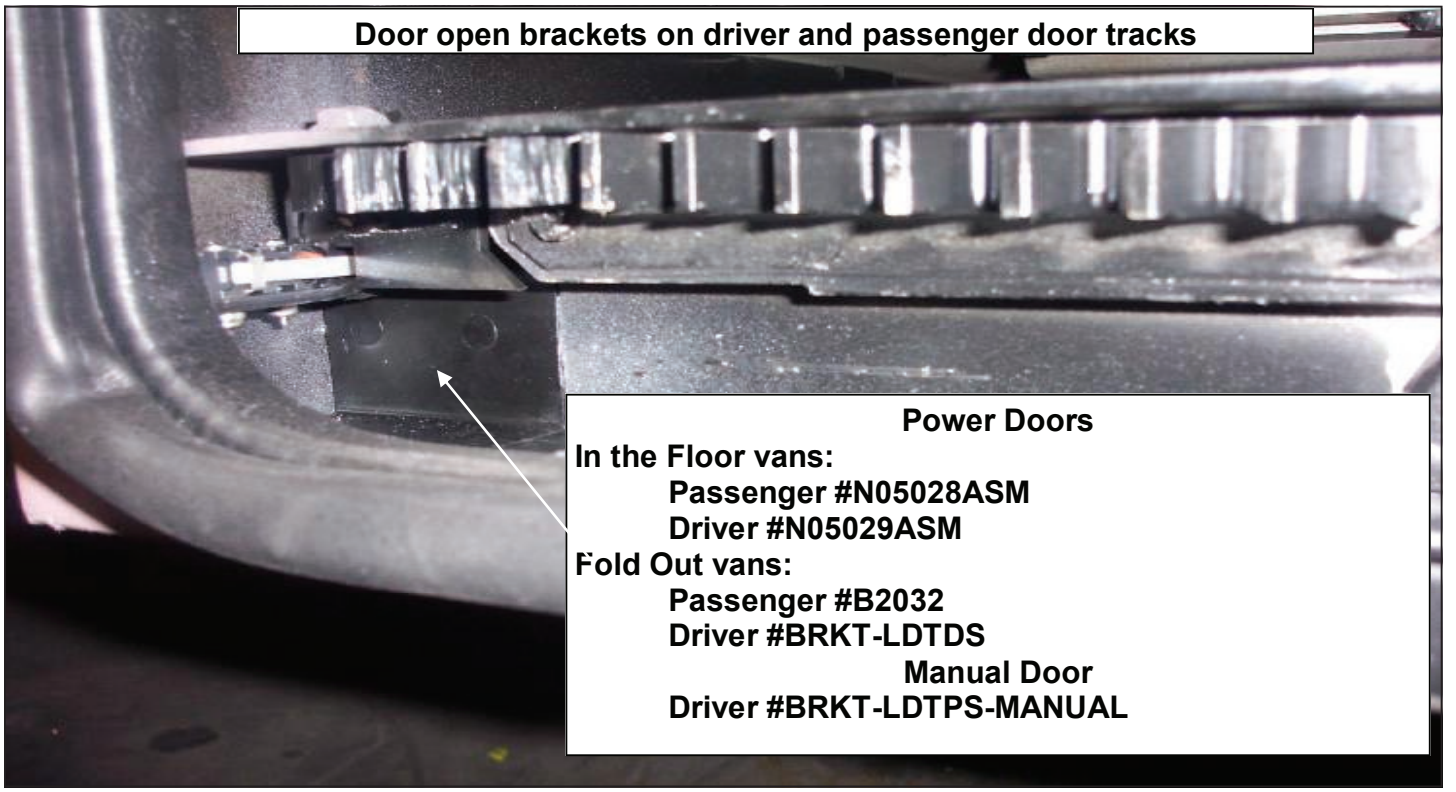
** SHIMS ONLY NEEDED IF BEFORE ~2003 BUT ALWAYS SENT WITH MOTOR

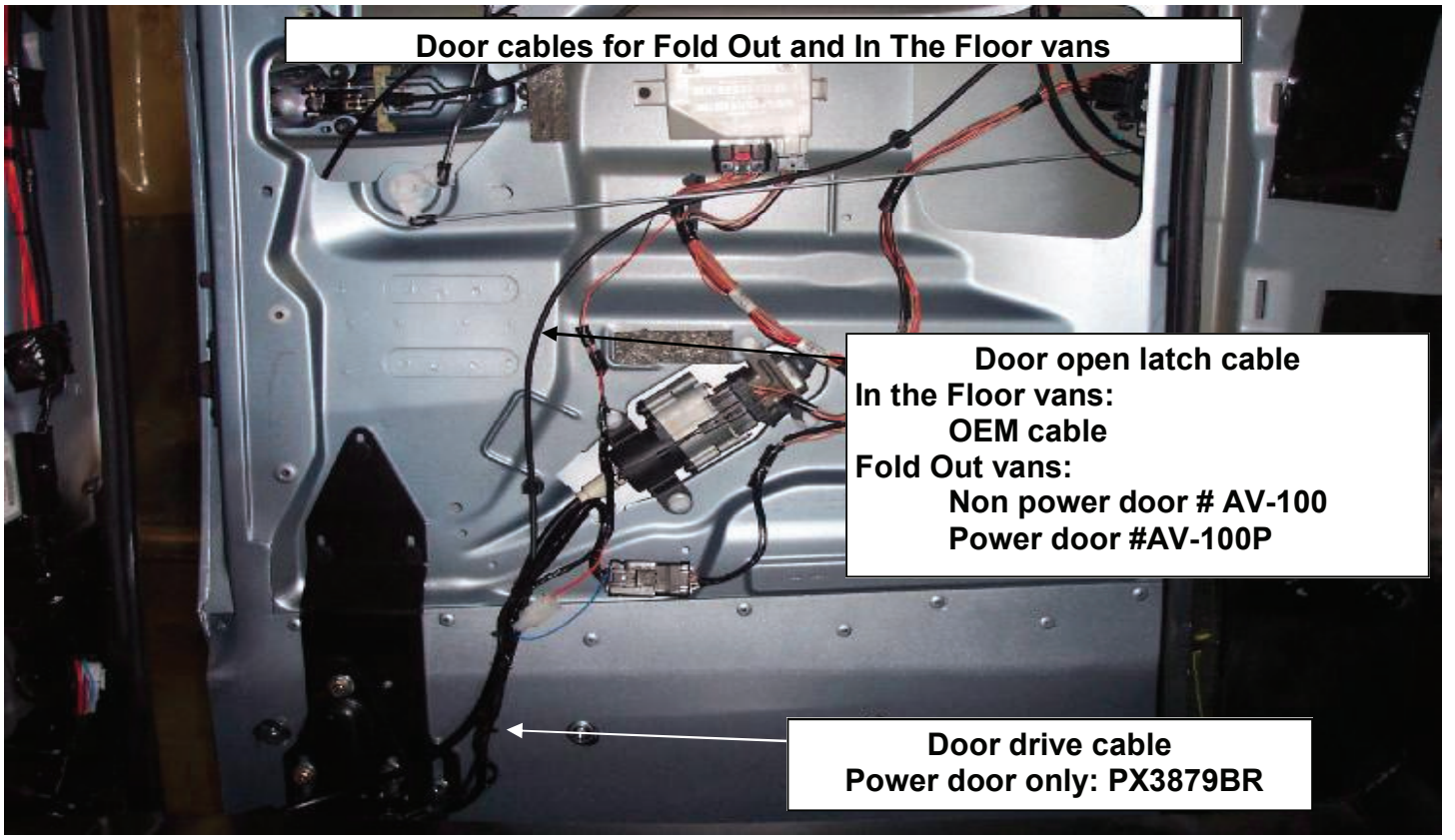
Item	Qty.	Description	Part #
6	1	BRKT MTR BAR LIMIT SWITCH	MB1006
7	1	SWITCH DPDT (CHERRY)	E19-50H
8	1	HANDLE CHROME INSIDE	6022
9	1	DOOR BRACKET A (DOOR BRACKET B -)	MB1001 (MB1002)
10	2	DOOR ARM PLATE	MB1005
11	N/A	MANUAL RELEASE TENSION ADJUSTMENT	NA
12	N/A	1/4-20 NYLOCK NUT	SHOP SUPPLY
13	2	#6 NYLOCK NUT	SHOP SUPPLY
14	1	1/4-20X3/4 HEX HEAD SCREW	SHOP SUPPLY
15	1	5/8-20X1 HEX HEAD SCREW (ADJUSTMENT)	SHOP SUPPLY
16	1	SHIM KIT FOR DOOR OPENERS (INCLUDES ALL 3 - VARYING SIZES)	10026-12
17	2	#10-32X2 HEX HEAD (5/32) PARTIALLY THREADED SCREW	SHOP SUPPLY
18	1	#10-32X2-1/2 HEX HEAD (5/32) PARTIALLY THREADED SCREW (NUT ON BACK)	SHOP SUPPLY

Symptom	Possible Cause	Remedy
Passenger sliding door does NOT OPEN with interior Rollx Vans user button.	Van is NOT in park or neutral.	Place van into park or neutral.
	Overhead on/off switch is turned to the OFF position.	Turn switch to ON position.
	OTC program failure.	Press OTC reset button.
	OTC reads low voltage.	Start van's engine and press OTC reset button. If door still does not open review OTC board display and contact customer service.
	Relay power fuse (1 amp) is blown.	Replace fuse in OTC fuse panel located behind glove box.
	Bad OTC board.	Watch the Door Control Status LED as you start an Open Cycle. It should light for about one second at which time you should see the door open. If it does not, replace the OTC board.
	B-pillar door control relay is bad.	Check the Door Control Relay located in the B-Pillar. Wrap you hand around the relay and start an Open Cycle. You should feel the relay operate with your hand when the Door Control LED lights. If you do not, replace the relay.
	Main OTC fuse (40 amp) is blown.	Replace fuse under by battery.
Ramp sliding door does NOT OPEN with interior OEM push buttons after pressing OTC reset button.	OEM overhead ON / OFF switch is OFF.	Turn switch to ON position. This switch enables / disables the OEM buttons located on the B pillars that operate the sliding doors.
	Defective OEM door opener.	Operate door manually and contact customer service.
While door is opening and kneeling, van unkneels and door closes (reverses).	OEM Door Ajar Pin Switch (Rollx Vans Door Close signal) is not released.	If the OTC does not see the OEM door has begun to open it will reverse the cycle. Examine switch / wiring.
Ramp sliding door does NOT attempt to CLOSE after ramp stows.	Ramp up limit switch is not being activated properly.	Close door manually, press OTC reset button, and press Rollx Vans user button to operate system again. If door still does not attempt to close after ramp is stowed, review OTC board display and contact customer service.
Ramp sliding door attempts to close (door motor runs) after ramp stows, but door does not move	Defective OEM door opener.	Press OTC reset button, press interior OEM push button to see if door will close automatically. If door still does not respond, review OTC board display and contact customer service.
Ramp sliding door does NOT OPEN manually.	Door is locked.	Unlock door. When pulling door handle, pull handle out and then slide door to open.
Ramp sliding door does NOT OPEN manually from interior handle, but does from exterior handle.	Child safety lock is activated.	See OEM owner manual to deactivate child safety lock.
Ramp sliding door will NOT CLOSE manually.	Door handle is not releasing.	Pull handle to disengage latch and slide to close.
	Obstruction.	Check door track for any debris and remove.
	Door open drive mechanism has moved beyond stop bracket.	Lift rear section of door while pressing forward to release door. Contact customer service.


Door Extensions
#10002 Passenger
#10001 Driver
Form door extensions. Grind to smooth transitions.
Install door extensions using rivets
Install T nuts (STD)
Install T nuts (ITF)
Install angle bracket using rivets. #10504—1x1 x 14 gauge angle (mounted on outside of extension) *

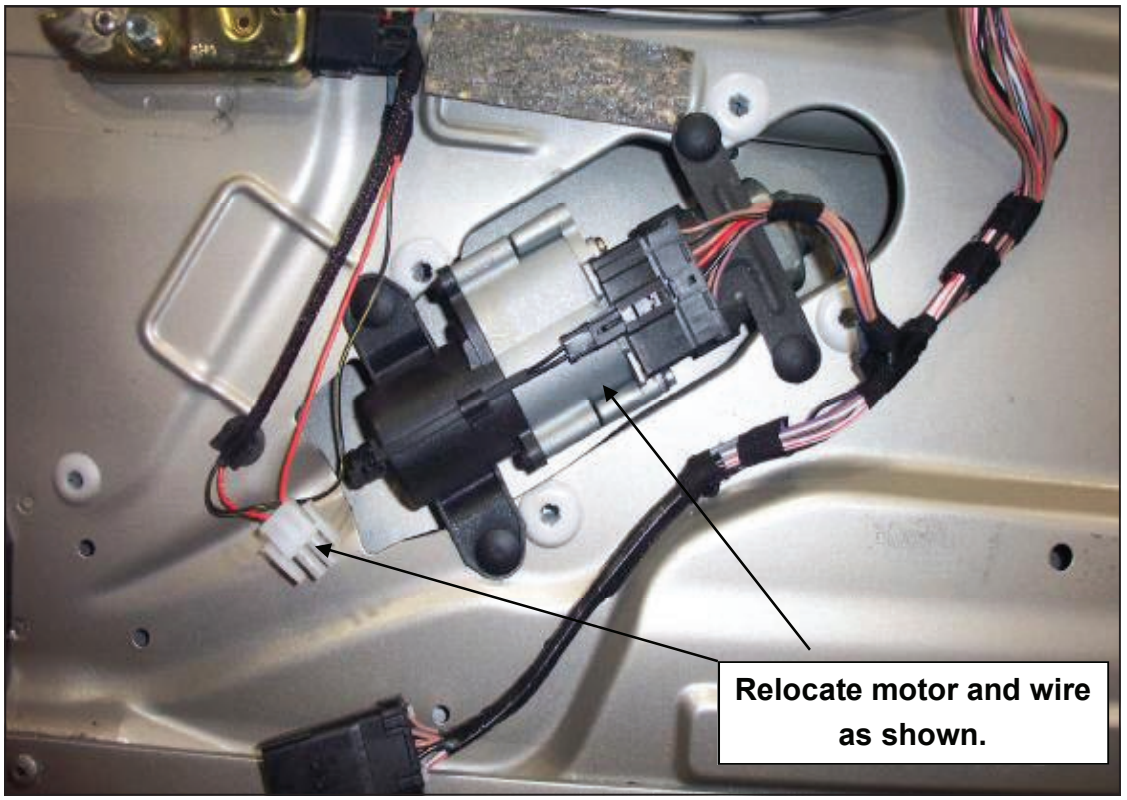
*Starting 8/11/2009 the Metal Angle Bracket was replaced by a Plastic Angle Bracket. Refer to Service Bulletin #09168 (Order Qty 1 #B08180-DP6, Qty 5 #10269 – 3/16 Rivets per door, each with #1133074 - #10 Washer)


Door open brackets on driver and passenger door tracks
Power Doors
In the Floor vans:
Passenger #N05028ASM
Driver #N05029ASM
Fold Out vans:
Passenger #B2032
Driver #BRKT-LDTDS
Manual Door
Driver #BRKT-LDTPS-MANUAL


Door cables for Fold Out and In The Floor vans
Door open latch cable
In the Floor vans:
OEM cable
Fold Out vans:
Non power door # AV-100
Power door #AV-100P
Door drive cable
Power door only: PX3879BR

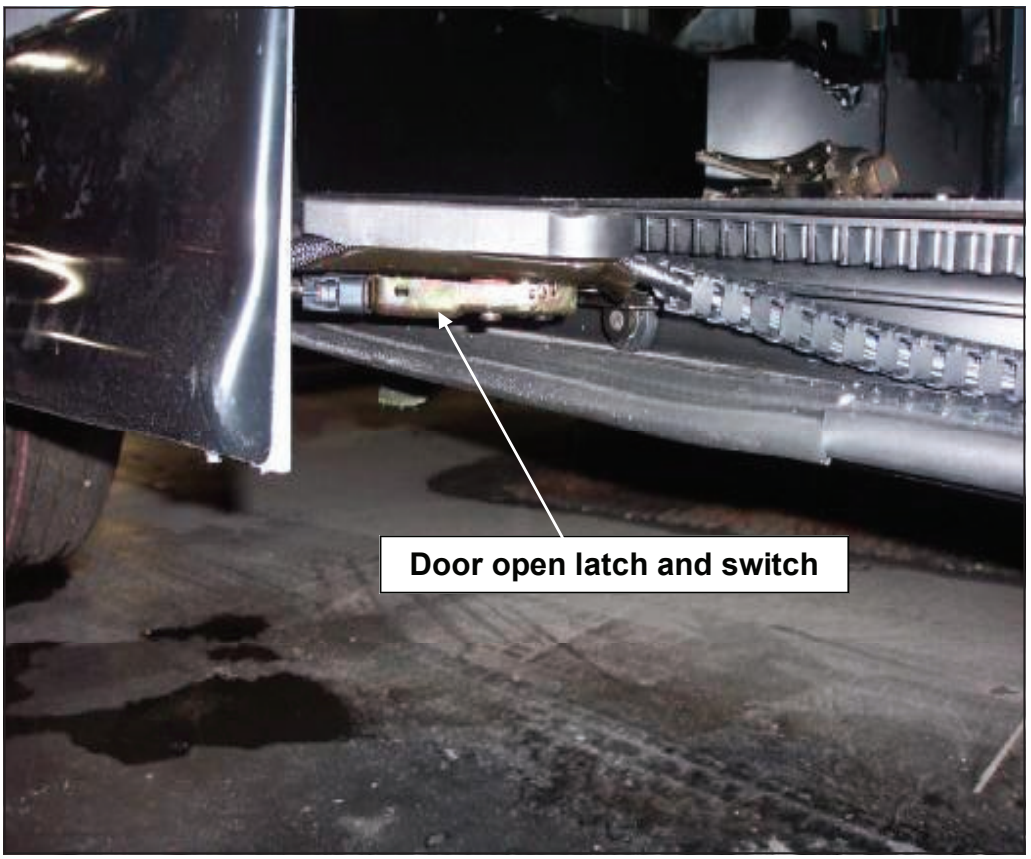
10” In The Floor only

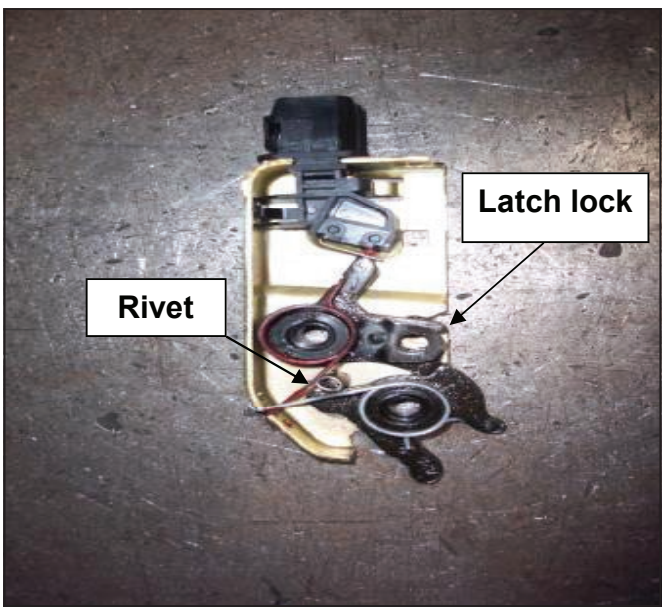
Weld latch open. Install latch to door spaced out with washers. Relocate door drive motor.

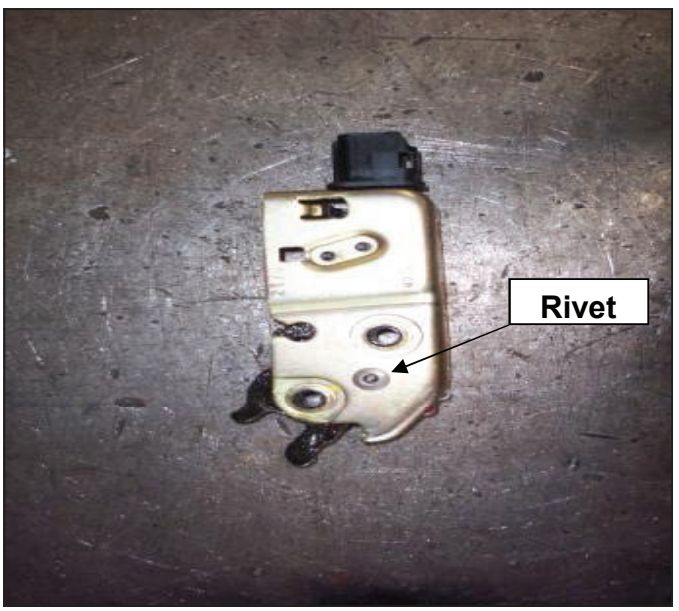


Fold out ramps only

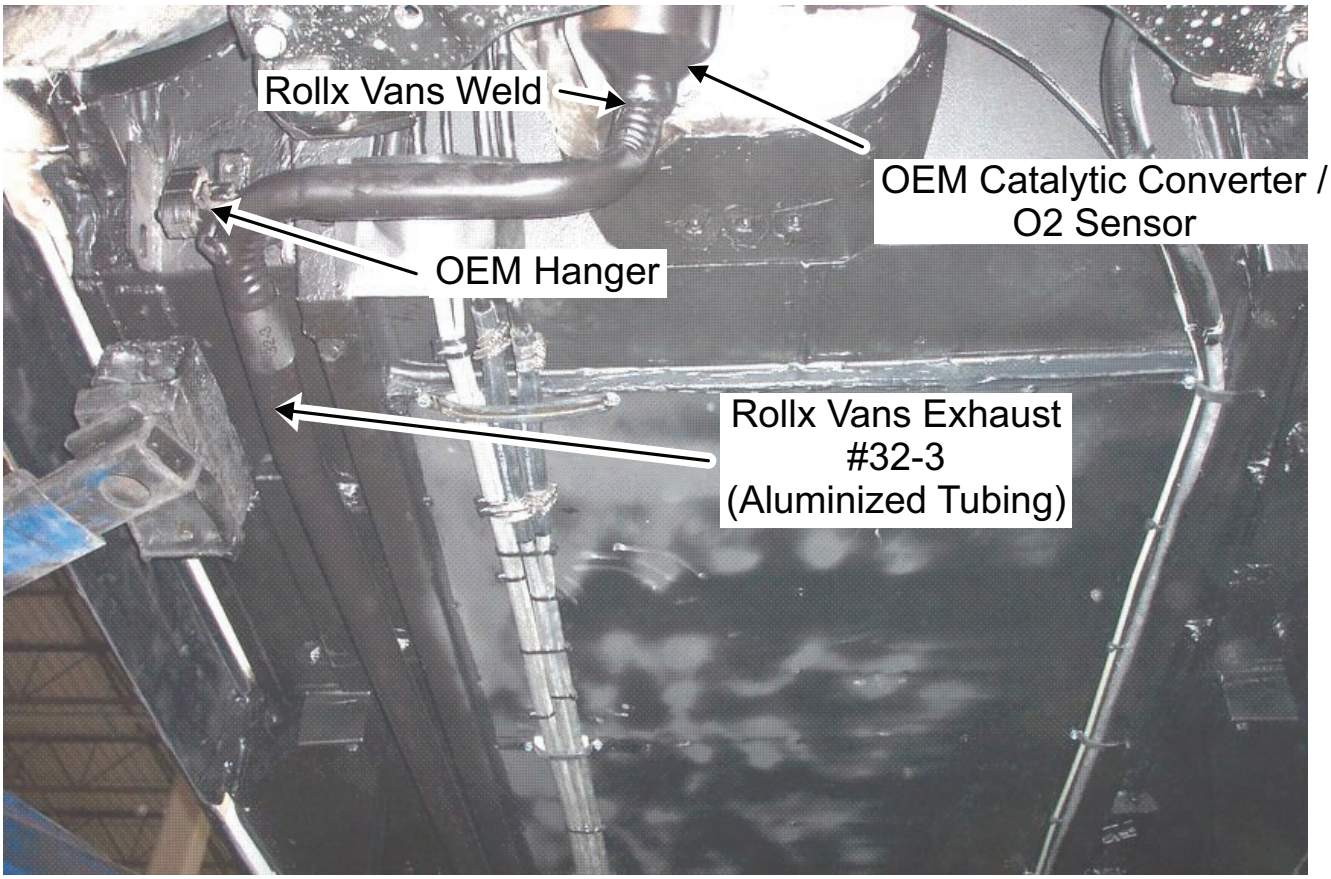
Drill hole and add rivet main plate on door open latch. The rivet stops the latch when locked by latch lock.

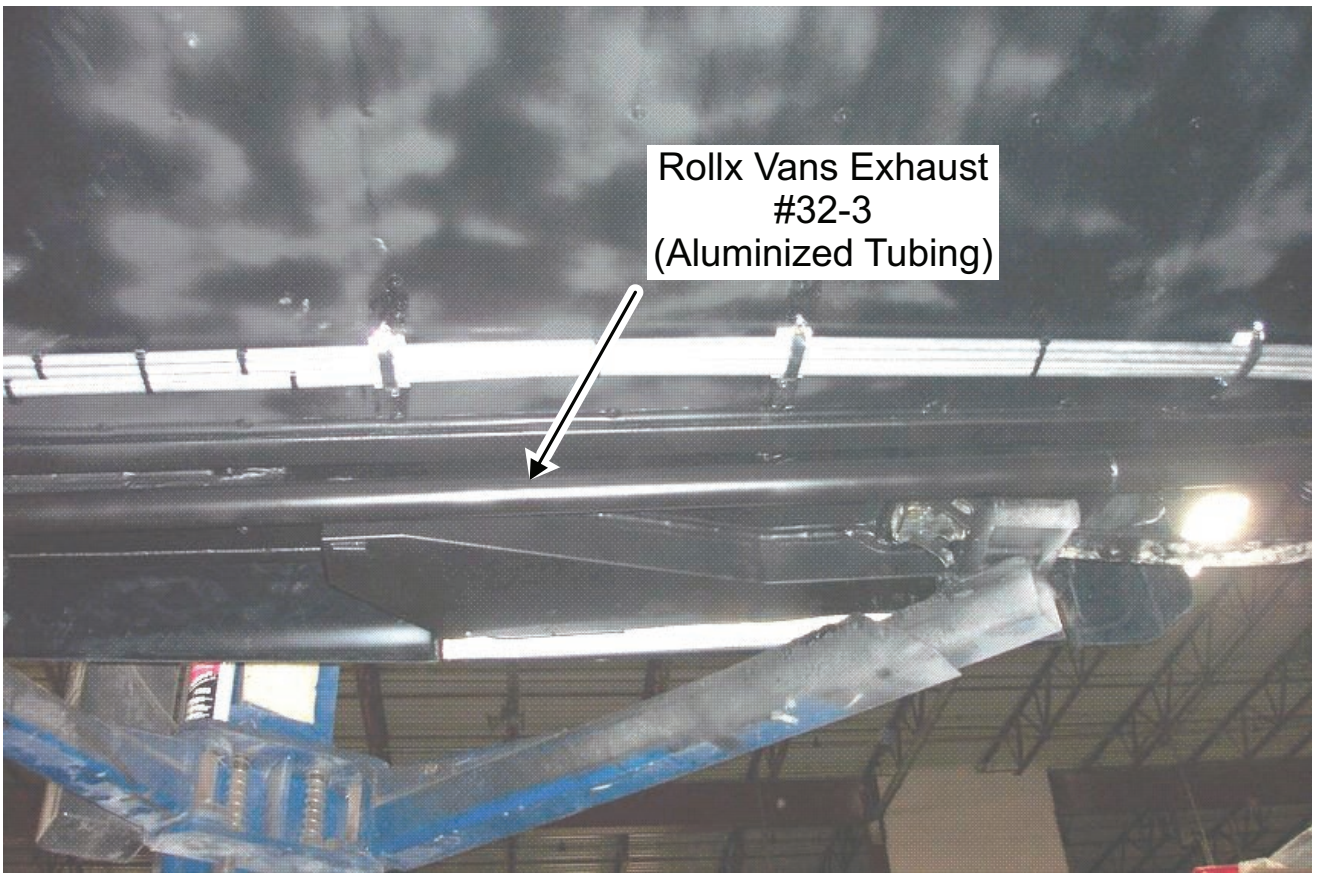


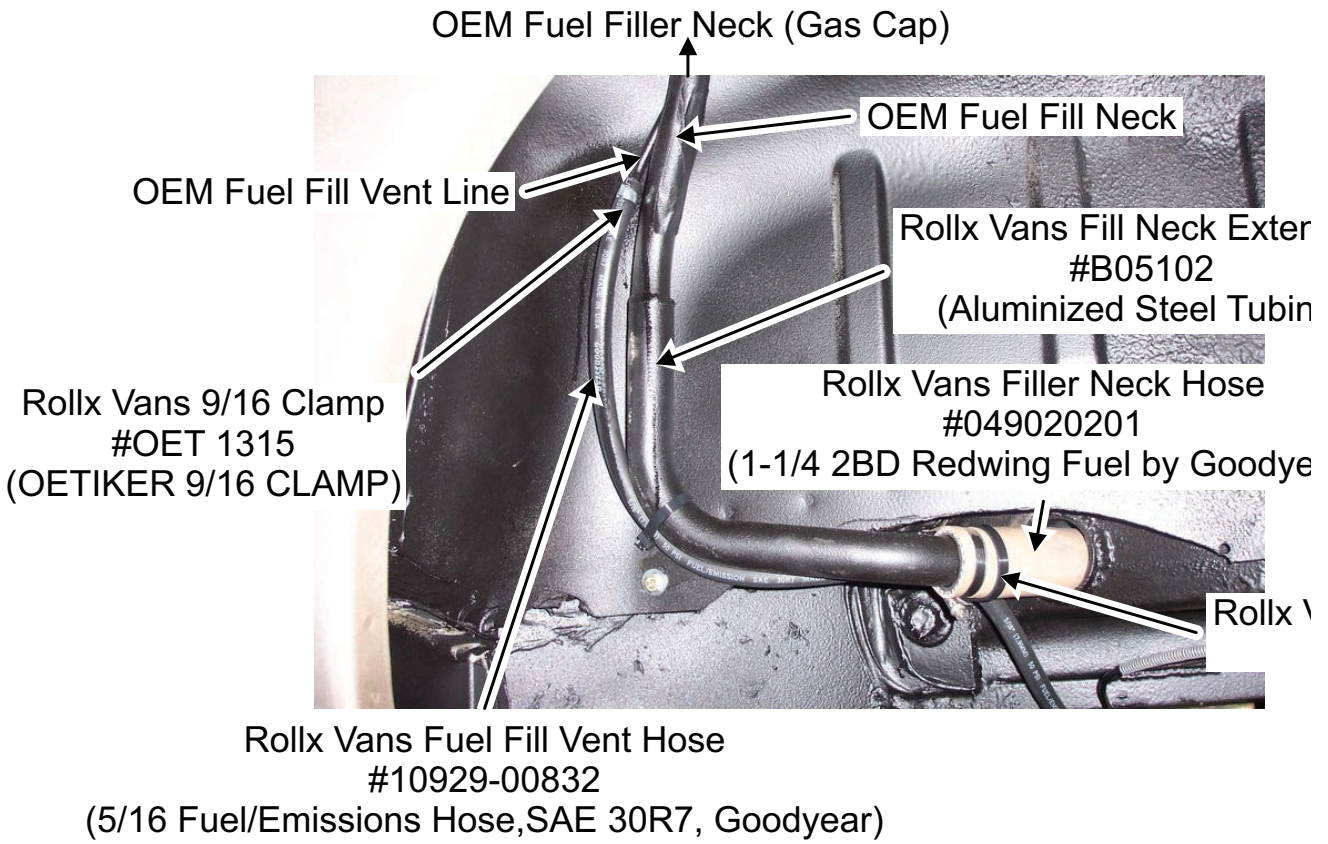




OEM Hold Open Latch ASM:
RT - #68030816AA
LT - #68030817AA

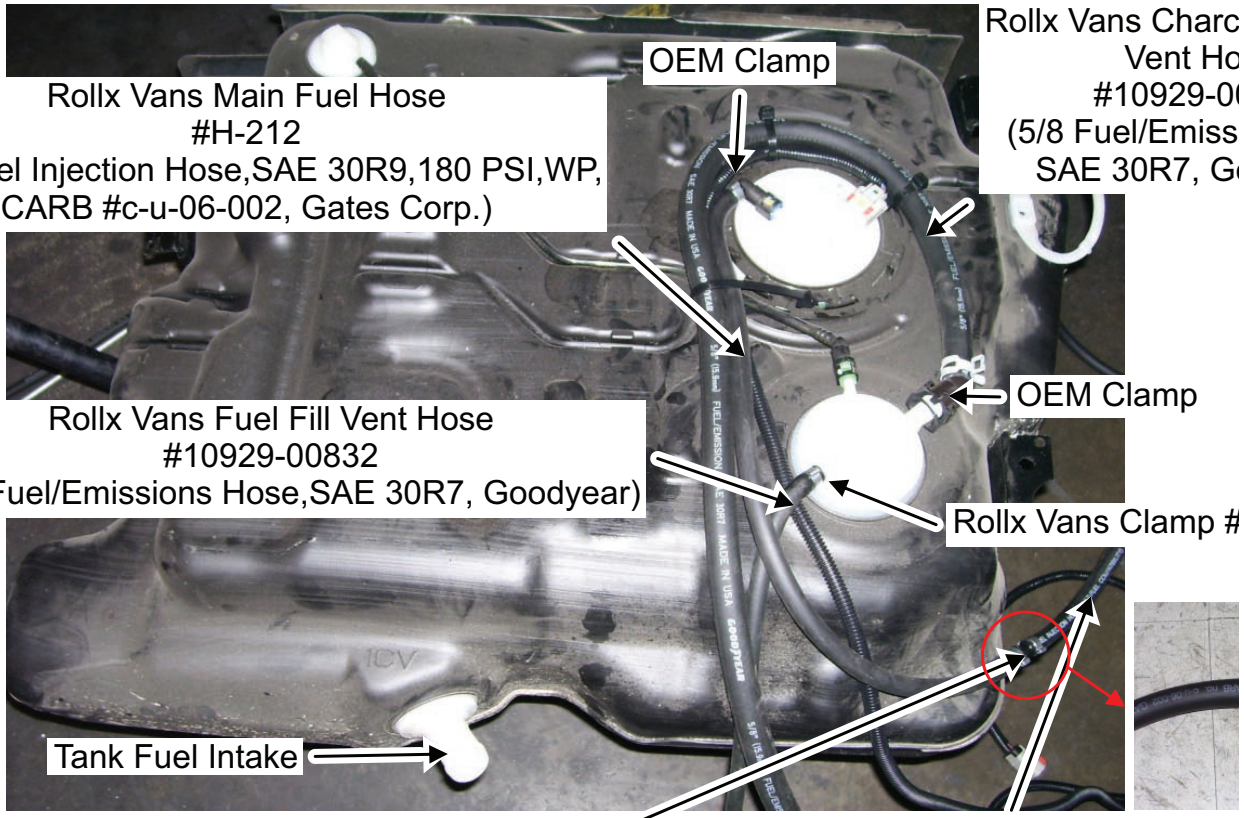

Rollx Vans Weld
OEM Catalytic Converter / O2 Sensor
OEM Hanger
Rollx Vans Exhaust #32-3 (Aluminized Tubing)


Rollx Vans Exhaust #32-3 (Aluminized Tubing)



Rollx Vans welds a Fill Neck Extension onto OEM Fuel Fill Neck to extend the OEM Fuel the Rollx Vans Filler Neck Hose. The modified filler neck is smoke tested for possible pin Rollx's Vans Fill Neck Extension is clamped to the Rollx Vans Filler Neck Hose.

Rollx Vans attaches a Fuel Fill Vent Hose that begins at the gas tank to the OEM Fuel Fill with a 9/16 clamp. This hose is routed underneath the frame.

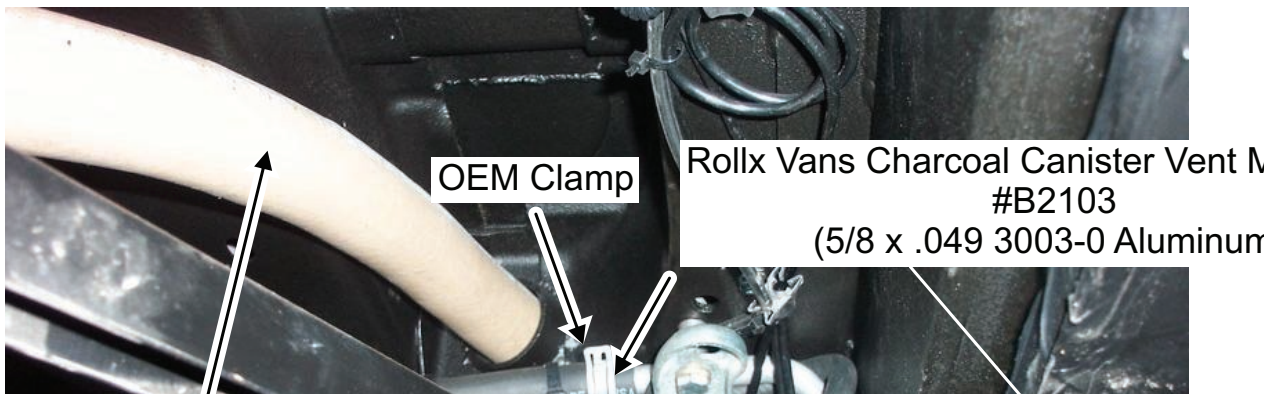


Rollx Vans reuses the OEM Gas Tank.

Rollx Vans replaces OEM Fuel Fill Vent Hose with Rollx Vans Fuel Fill Vent Hose that is 4 long and runs to OEM Fuel Vent Line near Filler Neck top (Gas Cap).

Rollx Vans replaces OEM Charcoal Canister Vent Hose with Rollx Van Charcoal Canister that runs to Rollx Vans Charcoal Canister Vent Metal Line.

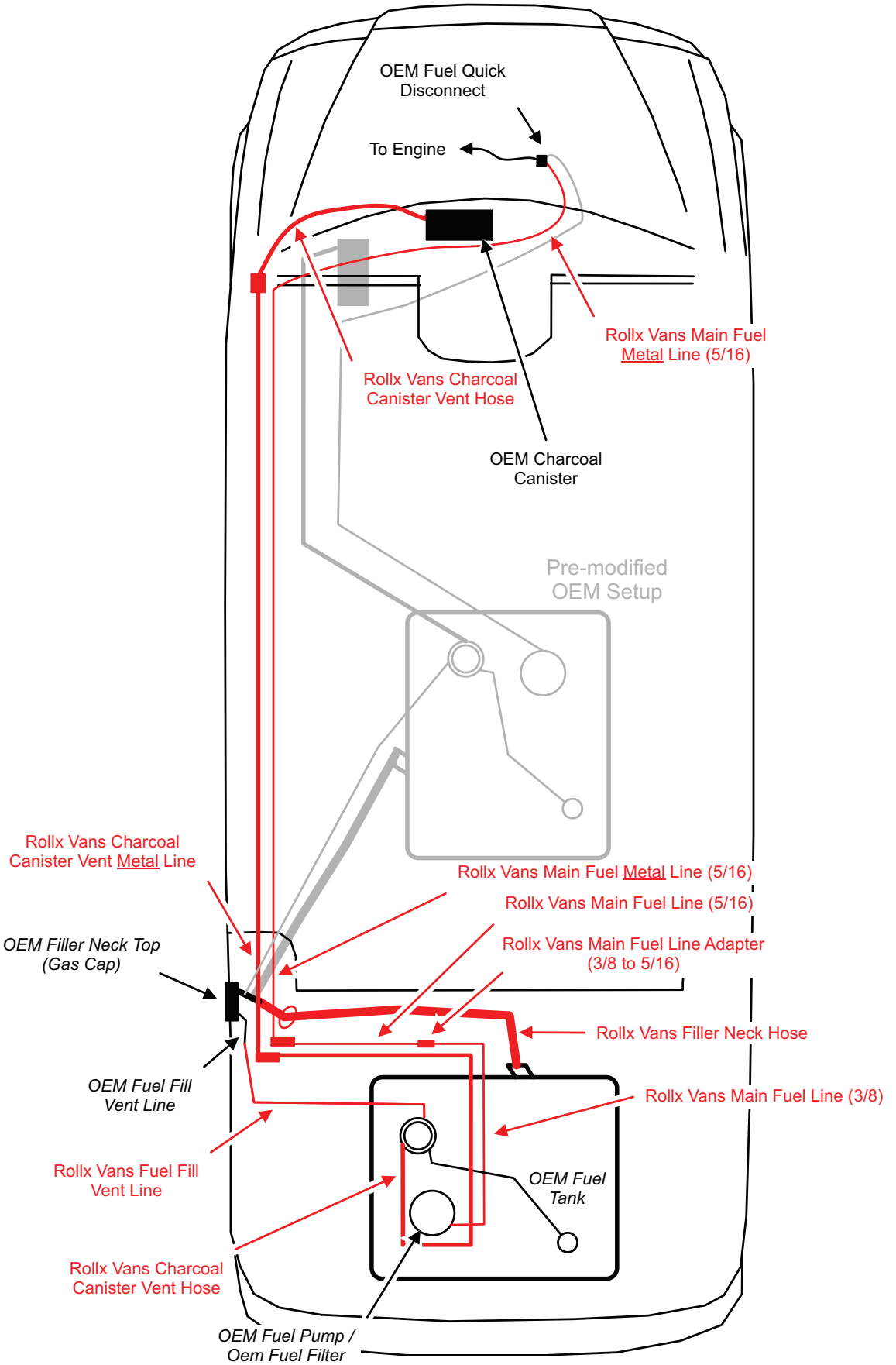
Rollx Vans replaces OEM Main Fuel Hose with Rollx Vans Main Fuel Hose that begins wi high pressure hose, goes through an adapter, changes to 5/16 high pressure hose and ru Vans Main Fuel Metal Line where it is clamped with a Rollx Vans Clamp after being flared

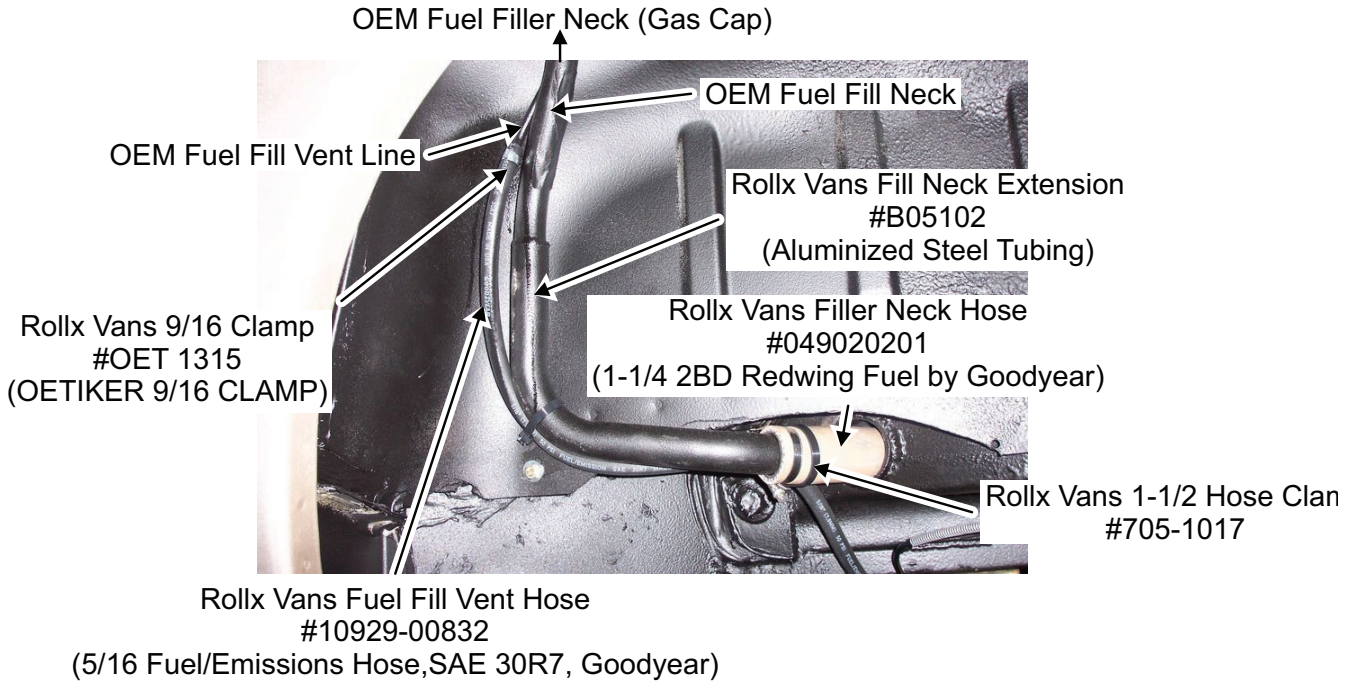


B05150-P4
B05150-P3
B05150-P2
B05150-P1

B05150-D1
B05150-D2
B05150-D3
B05150-D4

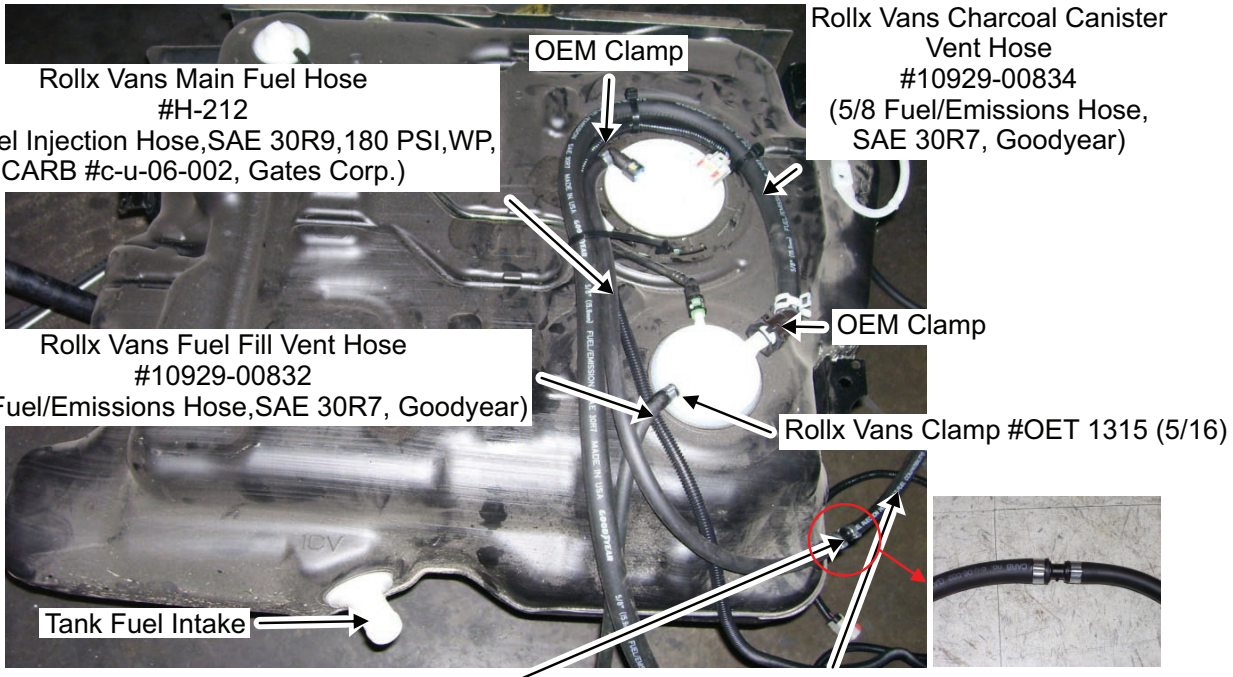
Rollx Vans Fuel / Emission System Overview


OEM Fuel Quick Disconnect
To Engine
Rollx Vans Main Fuel Metal Line (5/16)
Rollx Vans Charcoal Canister Vent Hose
OEM Charcoal Canister
Pre-modified OEM Setup
Rollx Vans Charcoal Canister Vent Metal Line
Rollx Vans Main Fuel Metal Line (5/16)
Rollx Vans Main Fuel Line (5/16)
OEM Filler Neck Top (Gas Cap)
Rollx Vans Main Fuel Line Adapter (3/8 to 5/16)
Rollx Vans Filler Neck Hose
OEM Fuel Fill Vent Line
Rollx Vans Main Fuel Line (3/8)
Rollx Vans Fuel Fill Vent Line
OEM Fuel Tank
Rollx Vans Charcoal Canister Vent Hose
OEM Fuel Pump / Oem Fuel Filter



Rollx Vans welds a Fill Neck Extension onto OEM Fuel Fill Neck to extend the OEM Fuel Fill Neck to the Rollx Vans Filler Neck Hose. The modified filler neck is smoke tested for possible pin hole leaks. Rollx's Vans Fill Neck Extension is clamped to the Rollx Vans Filler Neck Hose.

Rollx Vans attaches a Fuel Fill Vent Hose that begins at the gas tank to the OEM Fuel Fill Vent Line with a 9/16 clamp. This hose is routed underneath the frame.

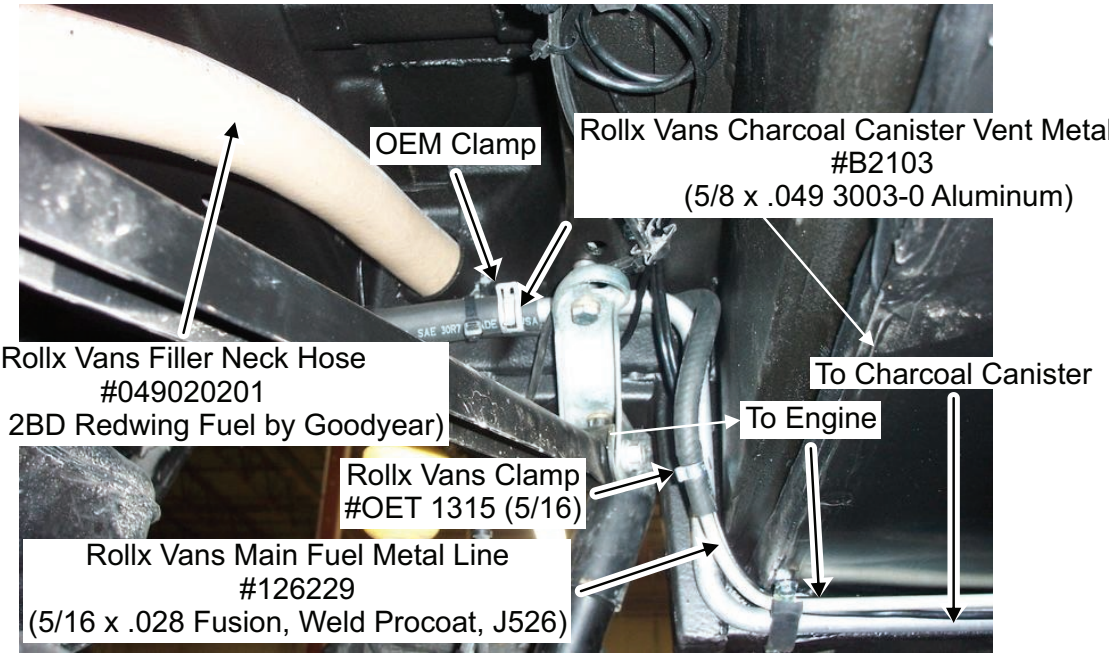


Rollx Vans reuses the OEM Gas Tank.

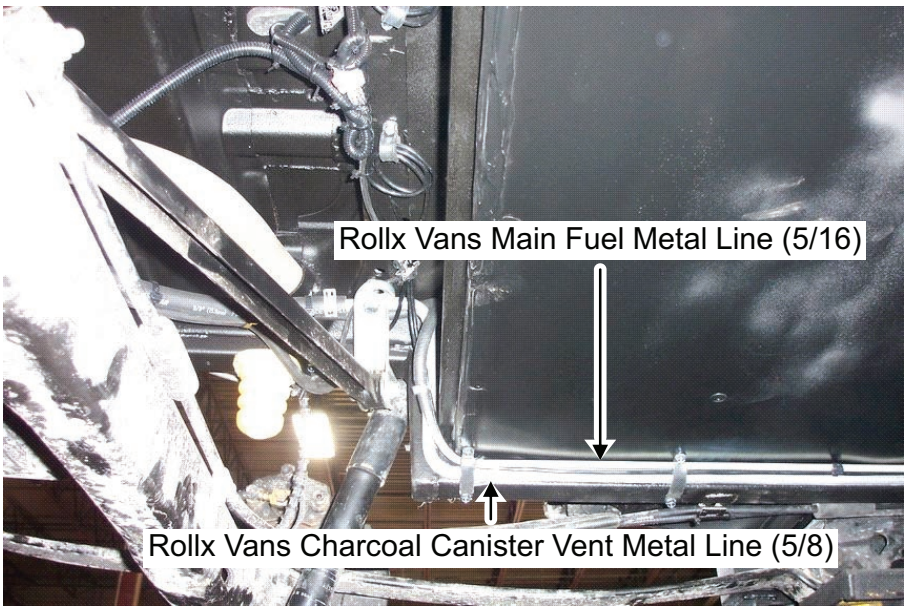
Rollx Vans replaces OEM Fuel Fill Vent Hose with Rollx Vans Fuel Fill Vent Hose that is 48 inches long and runs to OEM Fuel Vent Line near Filler Neck top (Gas Cap).

Rollx Vans replaces OEM Charcoal Canister Vent Hose with Rollx Van Charcoal Canister Vent Hose that runs to Rollx Vans Charcoal Canister Vent Metal Line.

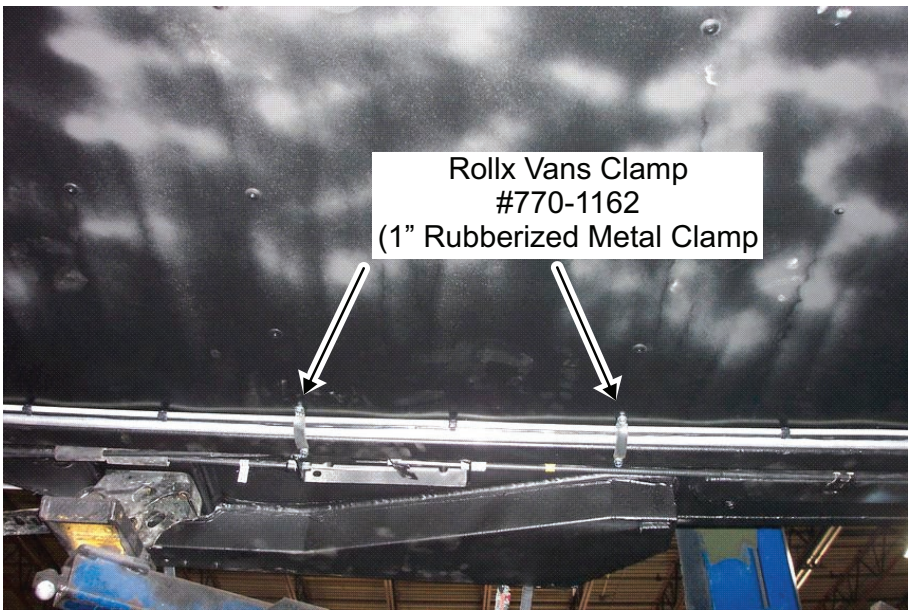
Rollx Vans replaces OEM Main Fuel Hose with Rollx Vans Main Fuel Hose that begins with 3/8 inch high pressure hose, goes through an adapter, changes to 5/16 high pressure hose and runs to Rollx Vans Main Fuel Metal Line where it is clamped with a Rollx Vans Clamp after being flared.

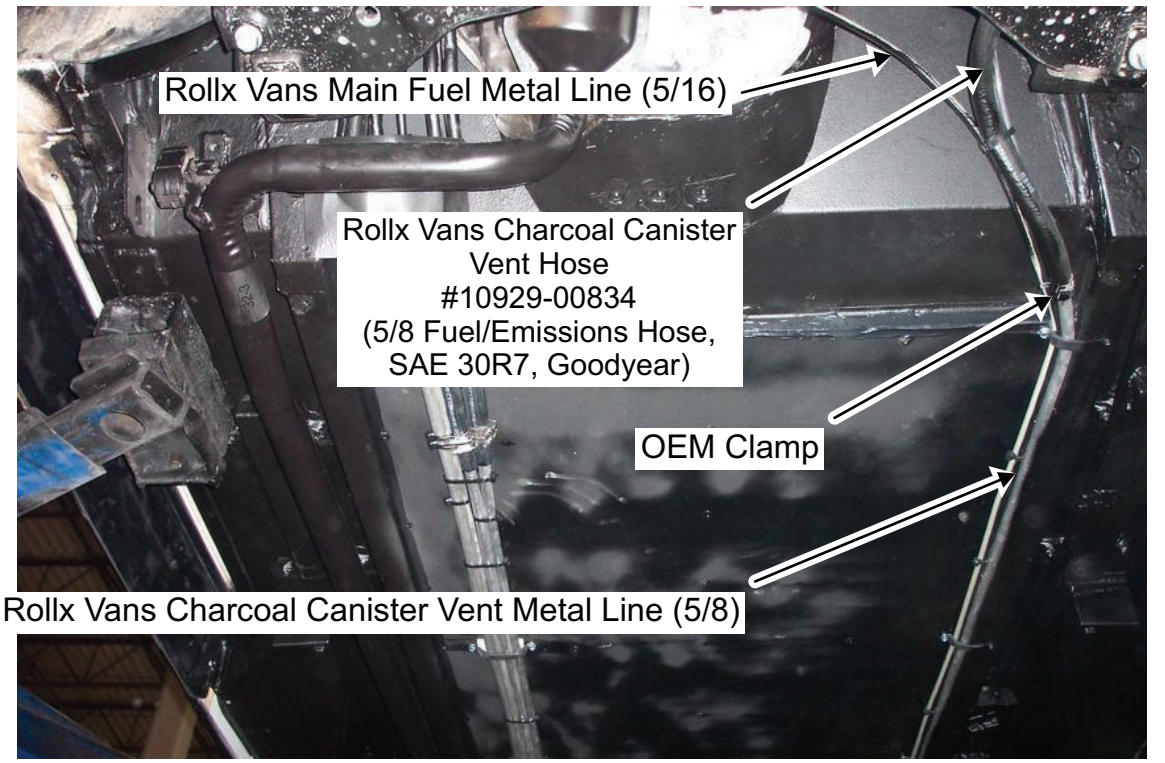


Attach Rollx Vans Filler Neck Hose to OEM Fuel Tank with Rollx Vans Clamp as shown.



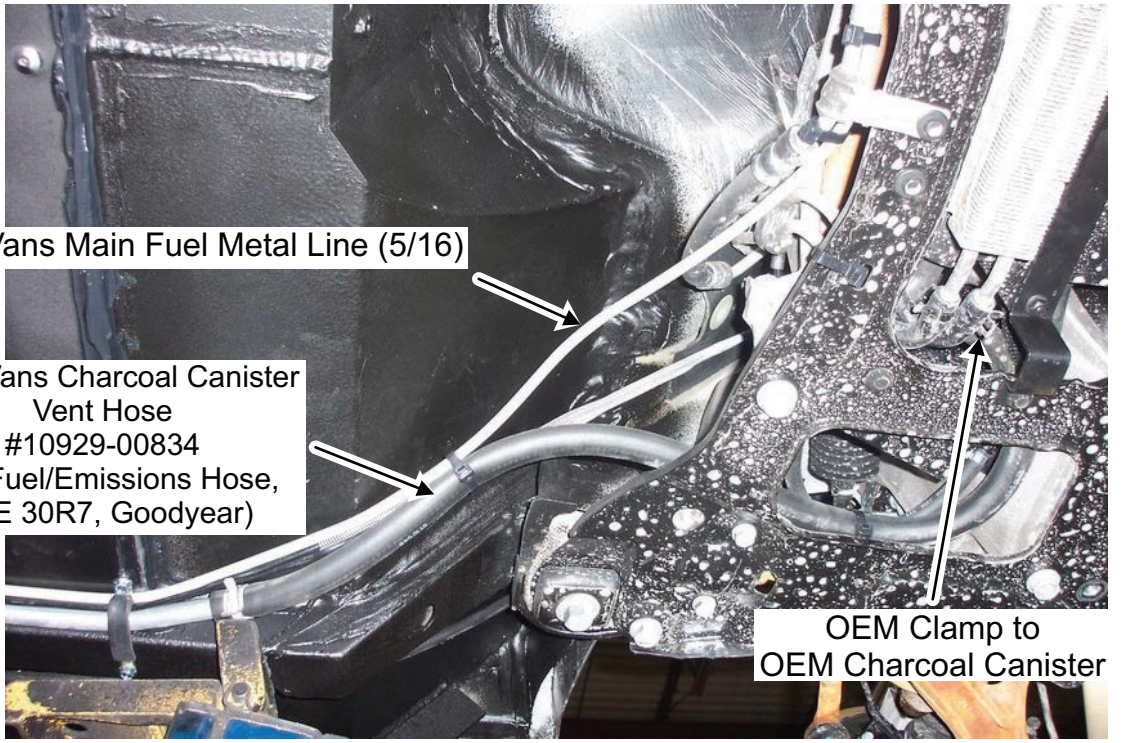
Rollx Vans attaches their metal lines to the floor using 1 inch Rubberized Metal Clamps.



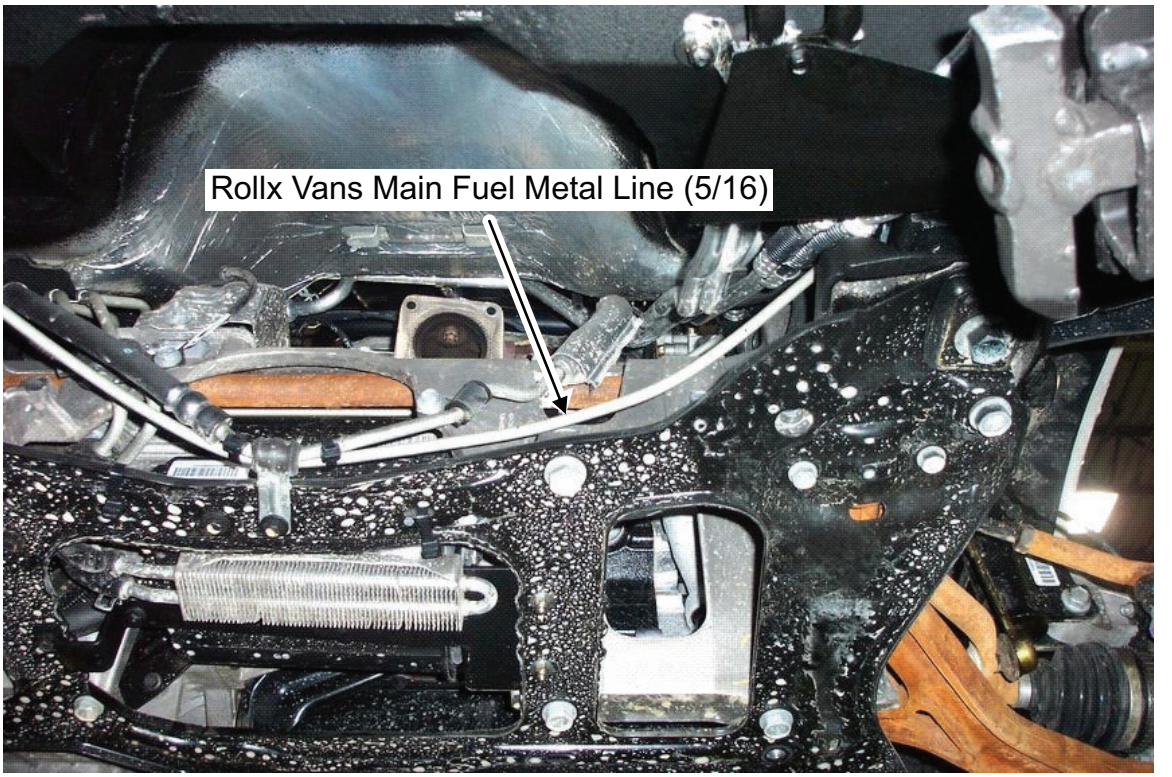

Rollx Vans Main Fuel Metal Line (5/16)
Rollx Vans Charcoal Canister Vent Hose #10929-00834 (5/8 Fuel/Emissions Hose, SAE 30R7, Goodyear)
OEM Clamp
Rollx Vans Charcoal Canister Vent Metal Line (5/8)

Rollx Vans metal lines continue underneath the driver's side of the van as shown. The Rollx Vans Charcoal Canister Vent Metal Line is clamped using an OEM Clamp onto the Rollx Vans Charcoal Canister Hose.

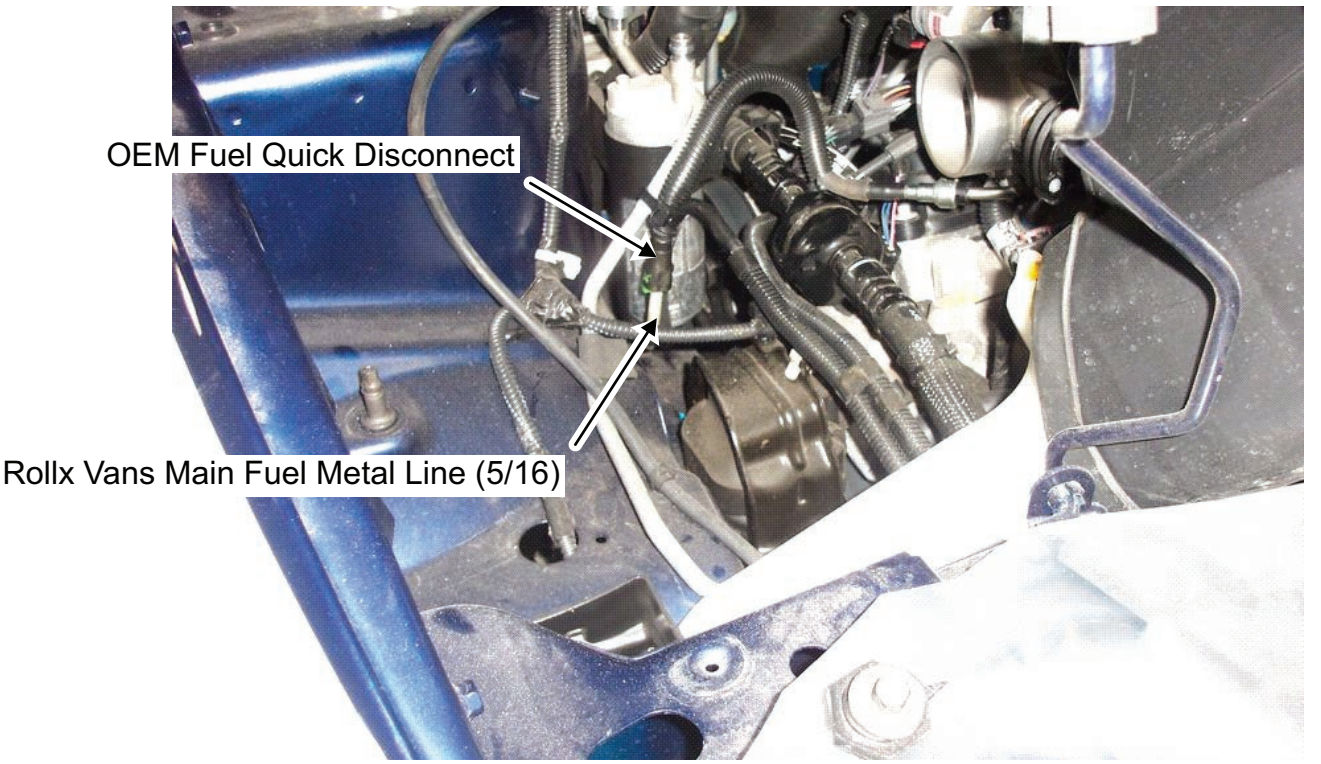
The Rollx Vans Main Fuel Metal Line continues toward the OEM Quick Disconnect on the OEM Fuel Rail.


Rollx Vans Main Fuel Metal Line (5/16)
Rollx Vans Charcoal Canister Vent Hose #10929-00834 (5/8 Fuel/Emissions Hose, SAE 30R7, Goodyear)
OEM Clamp to OEM Charcoal Canister

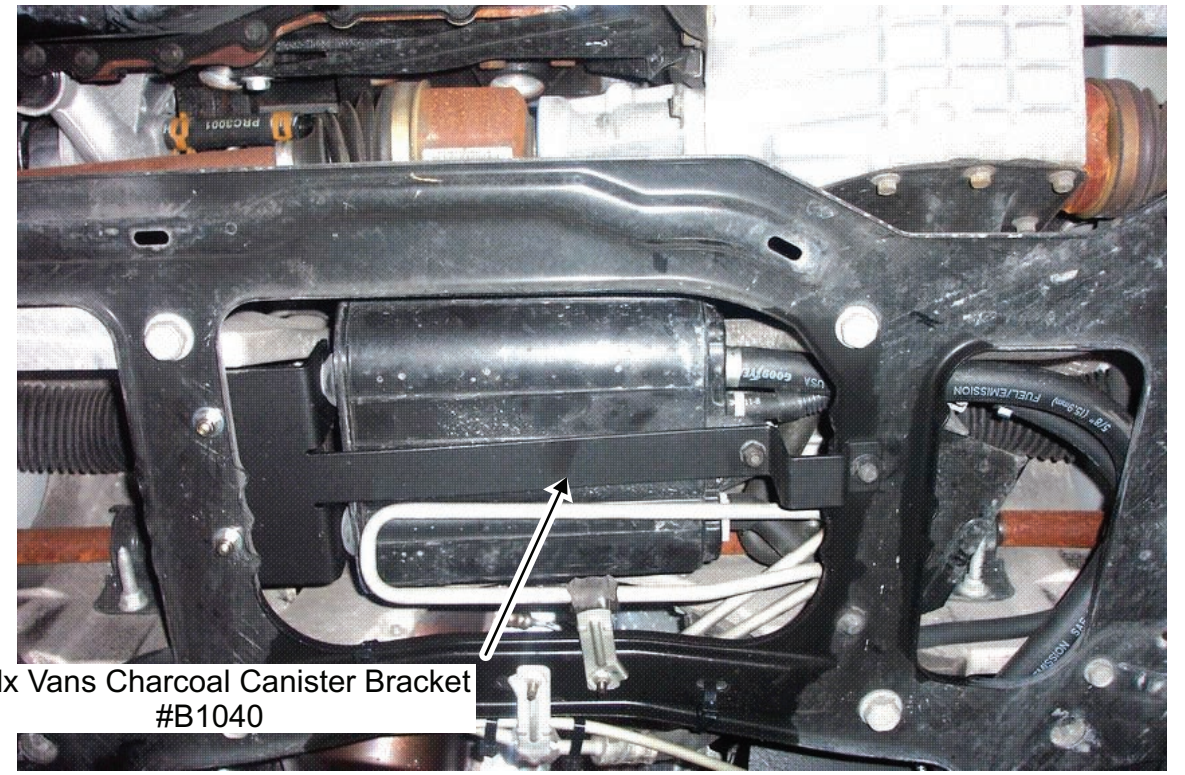
The Rollx Vans Charcoal Canister Hose is routed up to the OEM Charcoal Canister and attached with an OEM Clamp.



Rollx Vans Main Fuel Metal Line continues along the OEM frame and is routed as shown.



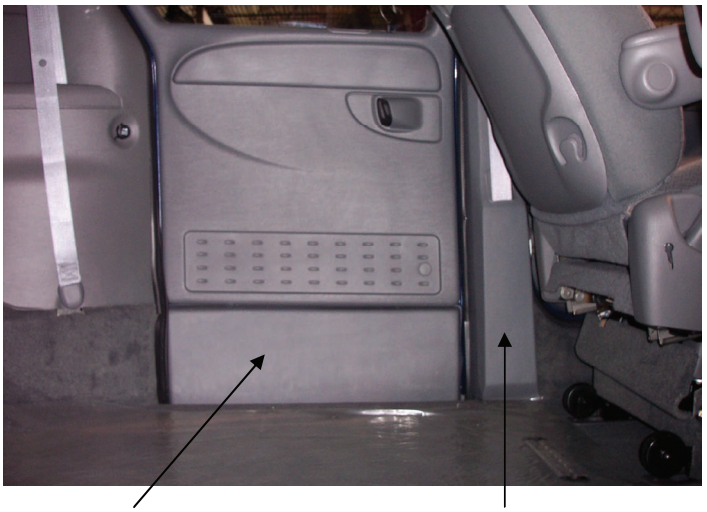
Rollx Vans flares the Rollx Vans Main Fuel Metal Line and attaches to the Oem Fuel Quick Disconnect as shown.



Rollx Vans Charcoal Canister Bracket
#B1040

Rollx Vans relocates the OEM Charcoal Canister as shown using Rollx Vans Charcoal Canister Bracket. The canister is moved slightly towards the center of the van as well as being rotated 90 degrees.

Slate Grey #B2204
Grey Stone #B2204-GS
Khaki #B2204-K



Slate Grey #B2202
Grey Stone #B2202-GS
Khaki #B2202-K

Slate Grey #B2200
Grey Stone #B2200-GS
Khaki #B2200-K

Slate Grey #B2201
Grey Stone #B2201-GS
Khaki #B2201-K

Slate Grey #B2203
Grey Stone #B2203-GS
Khaki #B2203-K

Tire cover

Kneeler Cover

Power seat and heated seat connectors assemblies (include plug, pins, ad wires)

Seat side assembly #07079-003
Body side assembly #07079-004

Power seat only connector assemblies

Seat side assembly #07079-001
Body side #07079-002

Memory seat connectors assemblies (if equipped)

Seat side assembly #07079-005
Body side assembly #07079-006

Main base includes all parts
Minivan #4003std
Full size #4003full

Foot rest #10033

Front dog bone hook

Rod end

Connecting rod

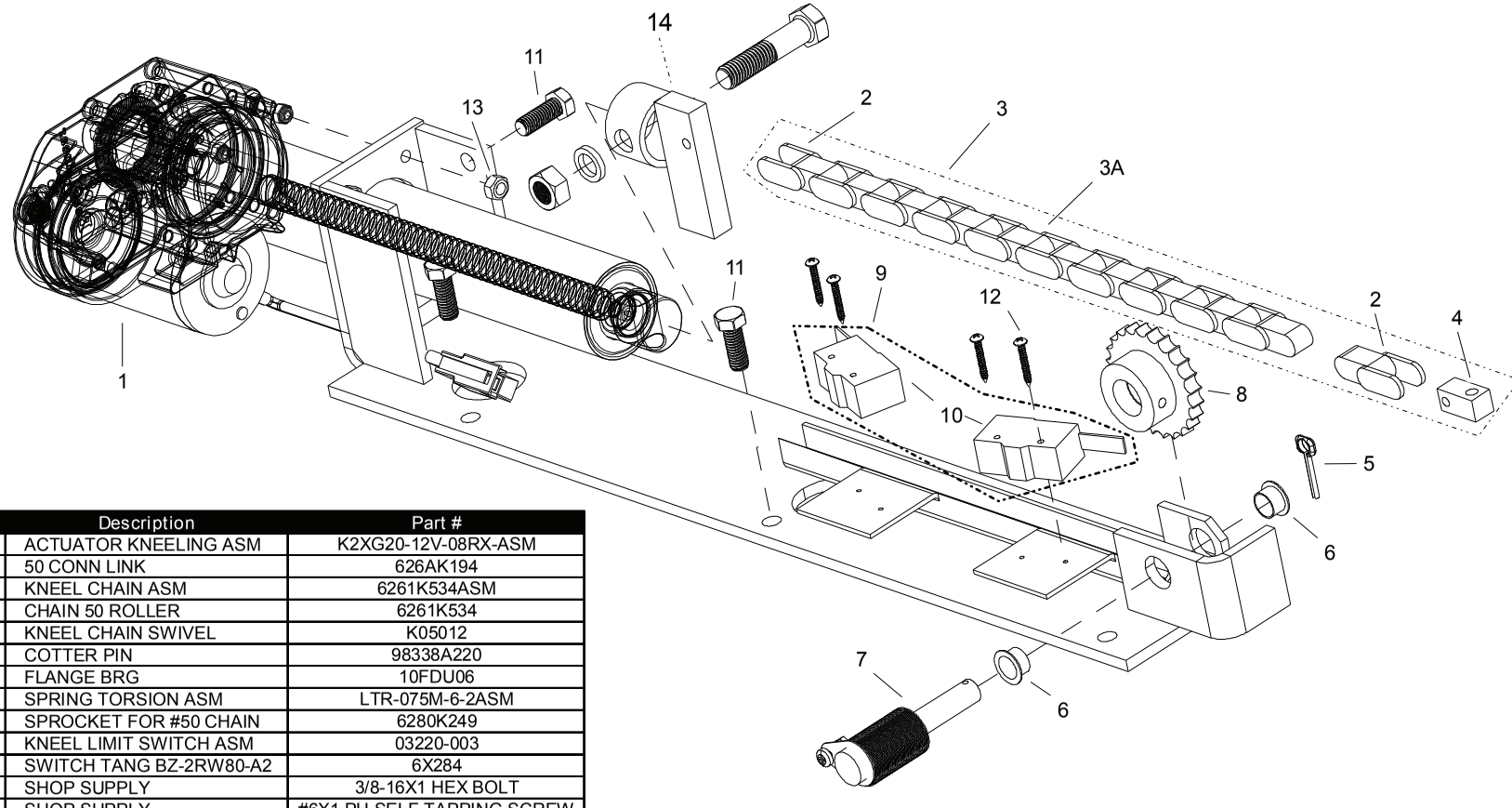
Cross bar

Latch handle #56030

Caster wheel

Rollx
VANS

Symptom	Possible Cause	Remedy
Van does NOT LOWER to ground while door is opening after Rollx Vans user button is pressed.	Kneel on / off switch is turned OFF.	Turn kneel switch to the ON position.
	Kneel motor.	Review display board. Turn kneel switch to the OFF position and press OTC reset button. Temporarily operate sytem without kneel option enabled. Contact customer service.
After van is lowered to ground the kneeler makes a loud ratcheting sound.	Kneel down limit switch was not activated.	Adjust kneel down limit switch. Replace if broken.
Van will NOT RAISE when ramp is stowed.	Kneel on / off switch is turned OFF.	Turn kneel switch to the ON position.
	Kneel motor .	Review display board. Manually un-kneel van, turn kneel switch to the OFF position and press OTC reset button. Contact customer service.
	Kneel up limit switch is activated incorrectly.	Adjust kneel up limit switch. Replace if broken.
Van raises and while door closing the kneeler ratchets.	Kneel up limit switch is not activated.	Once door is closed and van is at normal height, turn kneeling switch to the OFF position.



Item	Qty.	Description	Part #
1	1	ACTUATOR KNEELING ASM	K2XG20-12V-08RX-ASM
2	2	50 CONN LINK	626AK194
3	1	KNEEL CHAIN ASM	6261K534ASM
3A	1.5	CHAIN 50 ROLLER	6261K534
4	1	KNEEL CHAIN SWIVEL	K05012
5	1	COTTER PIN	98338A220
6	2	FLANGE BRG	10FDU06
7	1	SPRING TORSION ASM	LTR-075M-6-2ASM
8	1	SPROCKET FOR #50 CHAIN	6280K249
9	1	KNEEL LIMIT SWITCH ASM	03220-003
10	2	SWITCH TANG BZ-2RW80-A2	6X284
11	3	SHOP SUPPLY	3/8-16X1 HEX BOLT
12	4	SHOP SUPPLY	#6X1 PH SELF TAPPING SCREW
13	4	SHOP SUPPLY	#10 NYLOCK NUT
14	1	ACTUATOR GUIDE ASM	K05006ASM
Parts on Van (Not Shown)			
	1	RATCHET REVERSIBLE	800-0072
	1	SOCKET 3/8"	4PW71
	0.17	ALUM PIPE 2'X10'	AL200
	1	BOOT BLK "2005" KNEELACT	152303

Service
#KNEEL SNG OT-01 - KNEEL OTC SNG COMPLETE ASM

Adjustment Process:

1. **Remove floor section located in rear of vehicle on passenger side.**

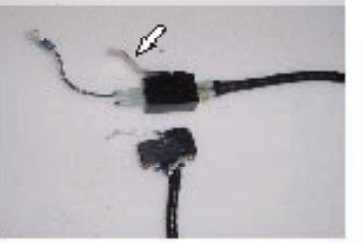
2. Remove tire cover located in rear of vehicle.

3. Remove kneeler cover.

4. **Mark the actuator arm and base with a grease pen where the arm assembly sits in the base (figure REV-118).**

5. **Using the O.T.C. manually raise vehicle so actuator arm moves about 1" (this is to allow to bend the limit switch arm).**

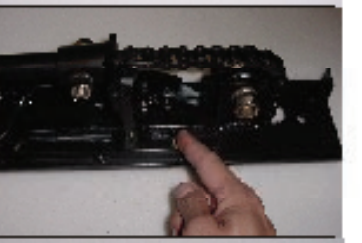
6. **Bend limit switch arm as shown at right.**



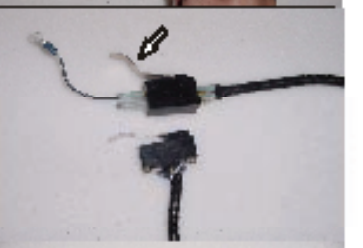
7. Adjust limit switch arm by hand so that when the switch is triggered (kneeling stops) the actuator arm lines up with the mark made on the base.

8. Extend actuator to its full-extended position (vehicle will be raised). Back off about 1/4" and mark arm's position on actuator base as in step 4.

9. Back arm off 1" to allow for limit switch adjustment.

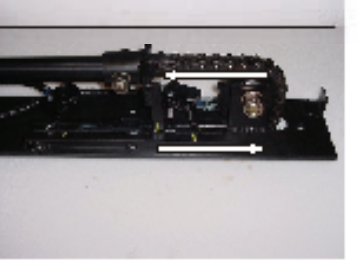


10. Bend limit switch arm as shown in figure REV-119 .

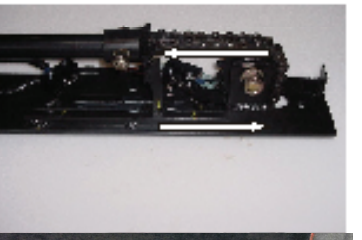


11. Adjust limit switch arm by hand so that when the switch is triggered (kneeling stops) the actuator arm lines up with the mark made on the base.

12. Run the actuator to its full extension. Bring actuator back to its full retracted position. The limit switchs should not catch or bend during this process.



13. Repeat previous step a couple times to ensure that the actuator stops when the arm is at the mark made in step 4.(If the limit switch is bending out place add more of a curve to the end and retry 6,7 and 8.)



14. Replace actuator cover.

15. Replace floor section removed earlier.

Symptom	Remedy
No power to One Touch Controller (OTC).	Check that OTC power switch is on. For OTC v6.0 boards the power switch is on the actual board. For v4.02 to v4.05 boards, the switch is located on the dash by the drivers left knee.
	Insure the connections on the back of the OTC board are tight.
	Check the OTC main fuse (40 amp) located near the vehicles main battery.
	Reset the OTC. For OTC v6.0 boards the reset is located on the dash by the drivers left knee. For 4.02 to 4.05 boards reset by turning the On/Off switch by the drivers left knee Off (O) for 60 seconds, then back On (I).
	Check battery voltage.
OTC beeps 4 times each time the user tries to run a normal open/close cycle.	Battery is low. Turn off the OTC and charge battery. Note: The alarm will sound when the battery voltage receaches below 11.4 vdc. The is to prevent the OTC system from draining the battery far enough as to prevent the vehicle from starting. On the OTC v6.0 board, this level is adjustable.
The van's battery is dead.	Van has been sitting for an extended period of time. Charge the battery.
	Check the current draw by placing an ammeter in series with the negative terminal on the battery with all doors closed and engine off. The draw varies, but awake the system should be less than .850 amps and when sleeping, less than .050 amps. Additional equitpment installed will also vary these numbers.
OTC beeps 3 times, pauses, and beeps 2 times over and over.	Ramp limit switch was missed during last cycle. Check to make sure both ramp limit switches are adjusted properly.
OTC beeps 3 times, pauses, and beeps 3 times over and over.	Kneel limit switch was missed during last cycle. Check to make sure both kneel limit switches are adjusted properly.
Doors do not unlock when using a Rollx user button.	For a OTC v4.05 to 6.0 the door unlock relay is built into the board. Replace board.
	For a 4.02 to 4.04 board, check the relay power fuse located on the OTC fuse panel behind the glove box. Also check the relay located ontop of the dash on the passenger side.

Alarm Warning Codes

3 Beeps - Pause - 1 Beep	Sliding Door Error
3 Beeps - Pause - 2 Beep	Kneel System Error
3 Beeps - Pause - 3 Beep	Ramp System Error
3 Beeps - Pause - 4 Beep	Memory Error
3 Beeps - Pause - 5 Beep	Com Error
3 Beeps - Pause - 6 Beep	Power Supply Error
4 Beeps - 4 Beeps - 4 Beeps	Low Battery Voltage

The Rollx Vans One Touch Controller, known as the OTC, is a Single Board Computer specifically designed for the Rollx Vans system.

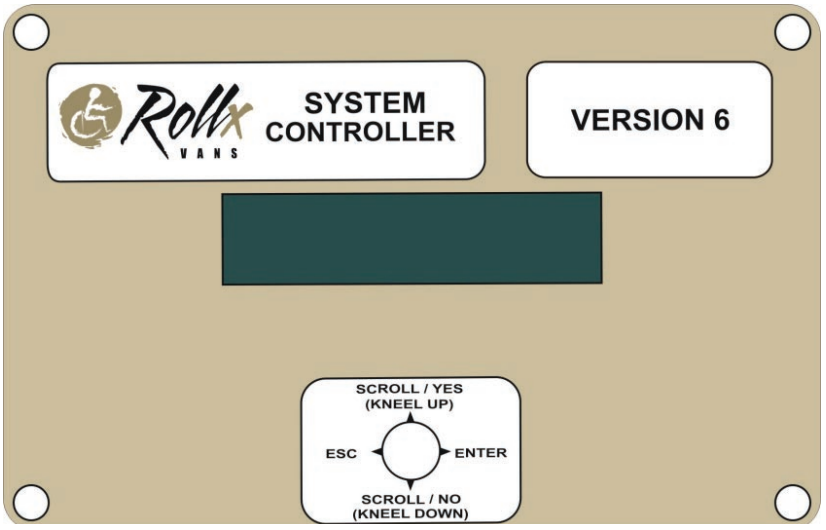
The OTC system was design to be independant to the operation of the Chrysler computer system. When power is removed from the OTC, it has no effect on the operation of the Chrysler system.

The OTC is a low power system. When the OTC is in Sleep Mode with the Display disabled, it typically draws less then 10ma of current from the battery. When awake in Idle Mode (not running a cycle) with the Display enabled, it typically draws around 200ma of current from the battery.

The current state of the OTC can be determined by viewing the Display. During and open or close operation the progress of the system can be tracked by watching the Display.

OTC V4.02, v4.04, and v4.05

OTC V6.0



INPUTS

Note: Input Status LEDs are all green in color on the v4.02 to v4.05 OTC boards.

KNEEL DISABLE SWITCH (Violet wire) Allows the user to enable (the "I" position) or disable (the "O" position) the kneeling system. There is no display for this input.

USER SWITCH INPUT (Blue wire) Active while any Rollx Vans user button or Rollx Vans remote is pressed.

IGNITION INPUT (Pink/White wire) Indicates the status of the van ignition switch. When active it indicates the ignition switch is off and the OTC will go into sleep mode when not in use. When not active it indicates the van ignition switch is on and the OTC will not go into sleep mode.

NEUTRAL INPUT (Green wire) Indicates the status of the gear shifter. When active, the van is in either neutral or park. The OTC system will not run a operational cycle unless the van is in neutral or park.

DOOR CLOSE LIMIT INPUT (Violet/Yellow wire) Active when the right side sliding door is fully shut.

DOOR OPEN LIMIT INPUT (Orange/Red wire) Active when the right side sliding door is fully open.

RAMP DOWN LIMIT INPUT (Red/White wire) Active when the ramp is in the down position.

RAMP UP LIMIT INPUT (Red/Green wire) Active when the ramp in the up position.

KNEEL DOWN LIMIT INPUT (Yellow/Green wire) Active when the kneeler is in the down position.

KNEEL UP LIMIT INPUT (Yellow/White wire) Active when the kneeler is in the up position.

OUTPUTS

Note: Output status LEDs are all red and yellow in color on the v4.02 to v4.05 OTC boards.

System Status: Indicates if the system is ready to except a command. It is off when the OTC is in sleep mode.
V4.02 to v4.05 - LED will normally be flashing on and off when the OTC is in Idle Mode.
v6.0 - Display will show Rollx Vans: Idle.

RAMP DOWN MOTOR OUTPUT (Red wire) Active when the OTC is driving the ramp down (v4.05 and v6.0 OTC boards have obstacle detection monitoring this output).

RAMP UP MOTOR OUTPUT (Red/Black wire) Active when the OTC is driving the ramp up (v4.05 and v6.0 OTC boards have obstacle detection monitoring this output).

RAMP DISABLE OUTPUT (Red/Blue wire) Active anytime when the OTC is driving the ramp up or down. It indicates the ramp manual mode is disabled.

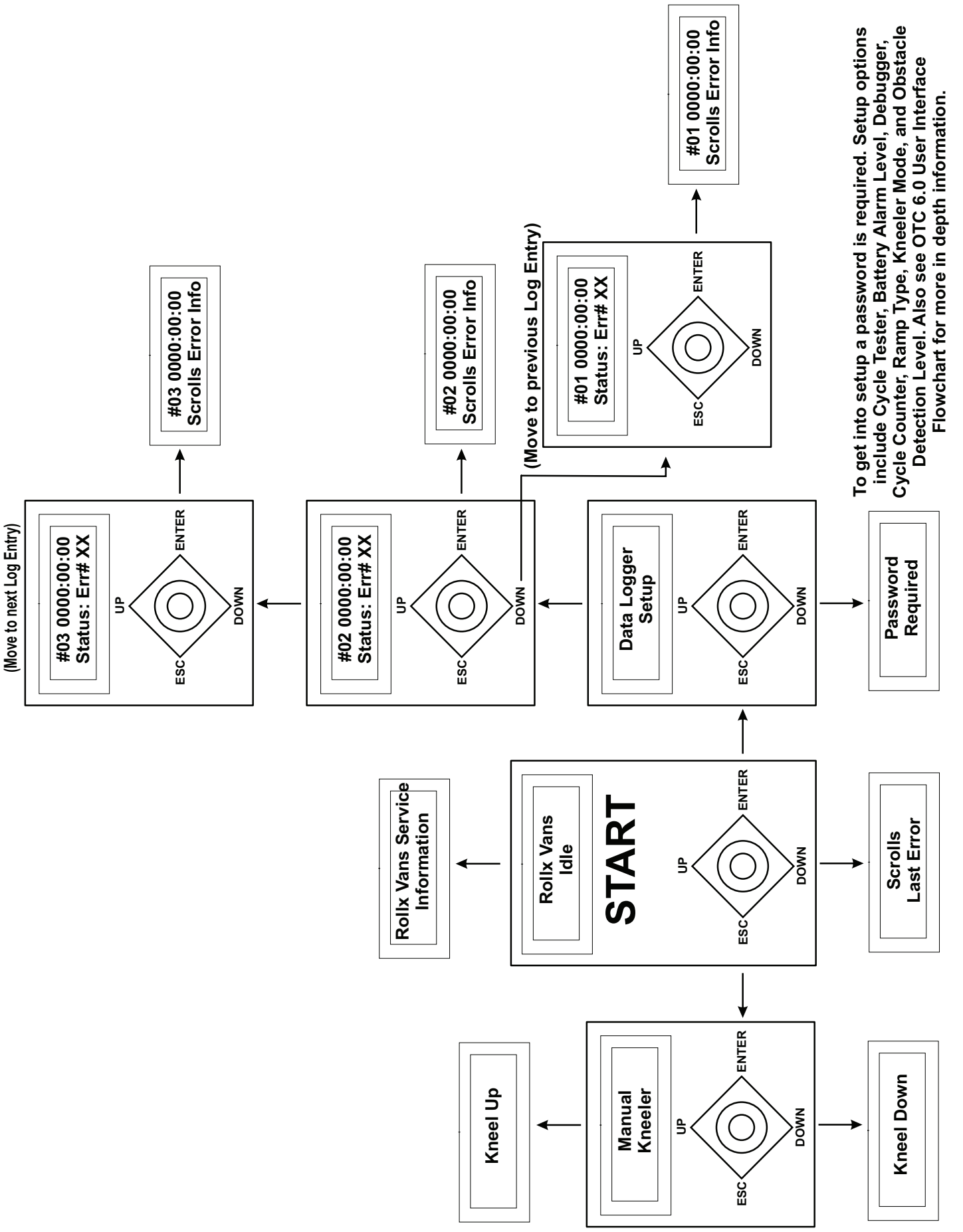
KNEEL UP MOTOR OUTPUT (Yellow/Red wire) Active when the OTC is driving the kneeler up.

KNEEL DOWN MOTOR OUTPUT (Yellow/Black wire) Active when the OTC is driving the kneeler up.

DOOR DISABLE OUTPUT (Orange/Blue) Used by the OTC to disable the Chrysler right side door controller anytime it wants to open the ramp. This prevents the right side door controller from banging the right side sliding door against the ramp.

DOOR CONTROL OUTPUT (Orange) OTC sends a command to the Chrysler system to open or close the right Side sliding door (LED on v4.02-v4.05 OTC boards lights for about one second).

DOOR UNLOCK OUTPUT (Yellow/Brown) OTC sends a command to the Chrysler system to unlock the doors at the beginning of an open cycle (LED on v4.02 to v4.05 OTC boards lights for about one second).


START
Rollx Vans Idle
Rollx Vans Service Information
Scrolls Last Error
Data Logger Setup
Password Required
Manual Kneeler
Kneel Up
Kneel Down
#01 0000:00:00 Status: Err# XX
#01 0000:00:00 Scrolls Error Info
#02 0000:00:00 Status: Err# XX
#02 0000:00:00 Scrolls Error Info
#03 0000:00:00 Status: Err# XX
#03 0000:00:00 Scrolls Error Info
(Move to previous Log Entry)
(Move to next Log Entry)
UP
DOWN
ENTER
ESC
To get into setup a password is required. Setup options include Cycle Tester, Battery Alarm Level, Debugger, Cycle Counter, Ramp Type, Kneeler Mode, and Obstacle Detection Level. Also see OTC 6.0 User Interface Flowchart for more in depth information.

System Failures

Error 0 - Cycle operated correctly.
User: No errors detected. Cycle operated correctly

Error 1 - Van battery voltage low.
User: Start engine to charge battery. If engine fails to start, charge the battery using a Battery Charger or have someone give you a Jump Start...
Tech: Check system current draw. If High Draw remove ALL Rollx Vans fuse, Test draw again. If still high problem is in Chrysler System. Check the Rollx Vans Harness Extensions, wire by wire, for shorts and proper wire-to-wire extension. If Wire Extensions are ok problem is in one of the Chrysler circuits. If after pulling Rollx Vans fuse, the high draw goes away, problem is in one of the Rollx Vans circuits. Unplug OTC and retest draw. If still high isolate all other Rollx Vans circuits one at a time until High Draw goes away. If no high draw is found, test Van battery. Charge or replace Van Battery as required...

Error 2 - Clock backup battery low.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Realtime Clock Backup Battery is low. Reset system and try operation again. If problem reoccurs, replace OTC...

Error 3 - Slave MPU Watchdog Reset.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 4 - Slave MPU Missing Clock Detected.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 5 - Slave MPU Voltage Regulator error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 6 - Slave MPU Flash error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 7 - Real Time Clock error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 8 - Hardware Reset error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Door Errors

Error 9 - Door Open Switch Failure.
User: Close Door manually. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Door Open Switch using "Setup-Debug-Input Test Mode". Check OR/RED, High-Flex ORG, (and High-Flex BLU on ITF) wires & connections. Check Snake wire continuity and wire solder connections...

Error 10 - Door Close Switch failure
User: Close Door manually, Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Door Close Switch using "Setup-Debug-Input Test Mode". Check VLT/YLW Solder Tap to Chrysler VLT/YLW wire...

Error 11 - Door Control Output error.
User: Insure Door is fully shut. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Door Control Output using "Setup-Debug-Output Test Mode". Check ORG Tap to Chrysler VLT/YLW (B-Pilar). Check operation of Chrylser Door Switches. Check Overhead Console Disable Switch...

Error 12 - Door Disable Relay failure.
User: Insure Door is fully shut. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Door Disable Relay using "Setup-Debug-Output Test Mode". Check ORB/BLU to Relay, Red Power wire to Relay, and both Chrysler VLT/GRY wires on Relay (B-Pilar)...

Error 13 - Door Unlock Failure.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Door Unlock Relay using "Setup-Debug-Output Test Mode". Check YLW/BRN to Unlock Relay. Check 2.2K Resistor from Relay to GND. Check YLW/BRN to Chrysler VLT/LG Solder Tap. Check Passenger Unlock Switch and Overhead Console Enable Switch...'

Ramp Errors

Error 14 - Ramp Down Limit Switch error.
User: Close Ramp manually (use Manual Override Switch), close Door. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Ramp Down Limit Switch using "Setup-Debug-Input Test Mode". Check RED/GRN, & BLK (GND) wire. Check Molex Connector and Limit Switch connections...

Error 15 - Ramp Up Limit Switch failure.
User: Close Ramp manually (use Manual Override Switch), close Door. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Ramp Up Limit Switch using "Setup-Debug-Input Test Mode". Check RED/WHT, & BLK (GND) wire. Check Molex Connector and Limit Switch connections...

Error 16 - Ramp Down Motor failure.
User: Close Ramp manually (use Manual Override Switch), close Door. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Ramp Down Motor Output using "Setup-Debug-Output Test Mode". Check BLK & YLW wires, Molex Connector, connections and Status LEDs on Relay Bd. 'Check RED wire between OTC and Relay Bd...

Error 17 - Ramp Up Motor failure.
User: Close Ramp manually (use Manual Override Switch), close Door. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Ramp Up Motor Output using "Setup-Debug-Output Test Mode". Check BLK & YLW wires, Molex Connector, connections and Status LEDs on Relay Bd...Check RED/BLK wires between OTC and Relay Bd...

Error 18 - Ramp Obstacle or bad Limit Switch detected. Push Remote or User Switch to continue.
User: Ramp hit an obstacle. Remove Obsticle, Raise kneeler (use Manual OverRide Control on OTC. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check for repeated OB Dectection Failure.. If repeated errors, adjust OB Dect Level using "Setup-OB Dect"...

Kneeler Errors

Error 19 - Kneel Down Limit Switch or Kneel Motor failure.
User: Raise Kneeler (Use Manual Override Control on OTC), close Ramp and Door manually. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Kneel Down Limit Switch using "Setup-Debug-Input Test Mode". Check YLW/WHT & GND wires. Check Molex Connector and Limit Switch connections...

Error 20 - Kneel Up Limit Switch or Kneel Motor failure.
User: Raise Kneeler (Use Manual Override Control on OTC), close Ramp and Door manually. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Kneel Up Limit Switch using "Setup-Debug-Input Test Mode". Check YLW/GRN & GND wires. Check Molex Connector and Limit Switch connections...

Error 21 - Kneel Down Motor or Kneel Motor failure.
User: Raise Kneeler (Use Manual Override Control on OTC), close Ramp and Door manually. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Kneel Motor Down Output using "Setup-Debug-Output Test Mode". Check RED & BLK wires, Molex Connector, Relay Bd. connections and Status LEDs. Check YLW/RED wire from OTC to Relay Bd...

Error 22 - Kneel Up Motor or Kneel Motor failure...
User: Raise Kneeler (Use Manual Override Control on OTC), close Ramp and Door manually. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Kneel Up Motor Output using "Setup-Debug-Output Test Mode". Check RED & BLK wires, Molex Connector, Relay Bd. connections and Status LEDs. Check YLW/BLK wire from OTC to Relay Bd...

Operational Errors

Error 23 - Transmission is not in Neutral or Park...
User: Put Van in Neutral or Park. Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Neutral Status Switch using "Setup-Debug-Input Test Mode". Check GRN to Chrysler GRN/GRY Solder Tap at Transmission. Check GRN from Transmission to Solder Tap above Rollx Fuse Panel. Check GRN from same Solder Tap to OTC...

Error 24 - Ignition on.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Check Ignition Status Switch using "Setup-Debug-Input Test Mode". Check PNK/WHT to Chrysler PNK/WHT Solder Tap under Steering Wheel (There are 2 Chrysler PNK/WHT wires. Use either one)...

Error 25 - Emergency Stop
User: User pressed Rollx Van Switch or Remote while running a cycle. This is a safety feature. Please check you Owners Manual for more details...
Tech: User pressed Rollx Vans Switch or Remote while running a cycle...

Watchdog System Errors

Error 26 - PCA Error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 27 - Ramp Motor Failure error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Ramp Limit Switch or Motor failed. Check Limit Switch and Motor connections. Check Limit Switch function using "Setup-Debug-Input Test Mode". Check RED/WHT, RED/GRN, and GND wires on Limit Switches. Test Motor using "'Setup-Debug-Output Test Mode". Check YLW and BLK Motor wires. Check Molex Connector on Motor Wires. DB'Reset system and try operation again. If problem reoccurs, replace OTC...

Error 28 - Door failed to open. OTC in Manual Mode, close door, push Remote or User Switch to run Open Cycle.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: While running an Open Cycle either the Door was stopped by the User or the Chrysler Door Obstacle Detection Circuit stop it. Close the Door, Reset system and try operation again. If problem reoccurs and it is not caused by the Door being stopped manually, check the Door operation using just the Chrysler Door Controls. Check for obstacles in the Door Tracks. If equipped with Rollx Vans Fold Ramp System, insure the Ramp is not interfering with the Door operation...

Error 29 - Kneeler Limit Switch or Motor Failure error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: Kneeler Limit Switch or Motor failed. Check Limit Switch and Motor connections. Check Limit Switch function using "Setup-Debug-Input Test Mode". YLW/WHT, YLW/GRN, and GND wires on Limit Switches. Test Motor using "Setup-Debug-Output Test Mode". Check RED and BLK Motor wires. Check Molex Connector on Motor Wires. Reset system and try operation again. If problem reoccurs, replace OTC...

Error 30 - CCF3 Error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 31 - PCA IRQ Error.
User: Reset system and try operation again. If problem reoccurs, call Customer Service...
Tech: OTC Electronic Error, Check Power & GND connections, Reset system and try operation again. If problem reoccurs, replace OTC...

Error 32 - Door Obstacle Detection error.
User: Check for dirt or other obstacles in or around the Right Side Sliding-Door and Door Tracks. Close Door and try again. If problem reoccurs call Customer Service...
Tech: The Chrysler Door Obstacles Detection has triggered. Check Door Tracks for dirt or other obstacles. Check the Door Alignment.

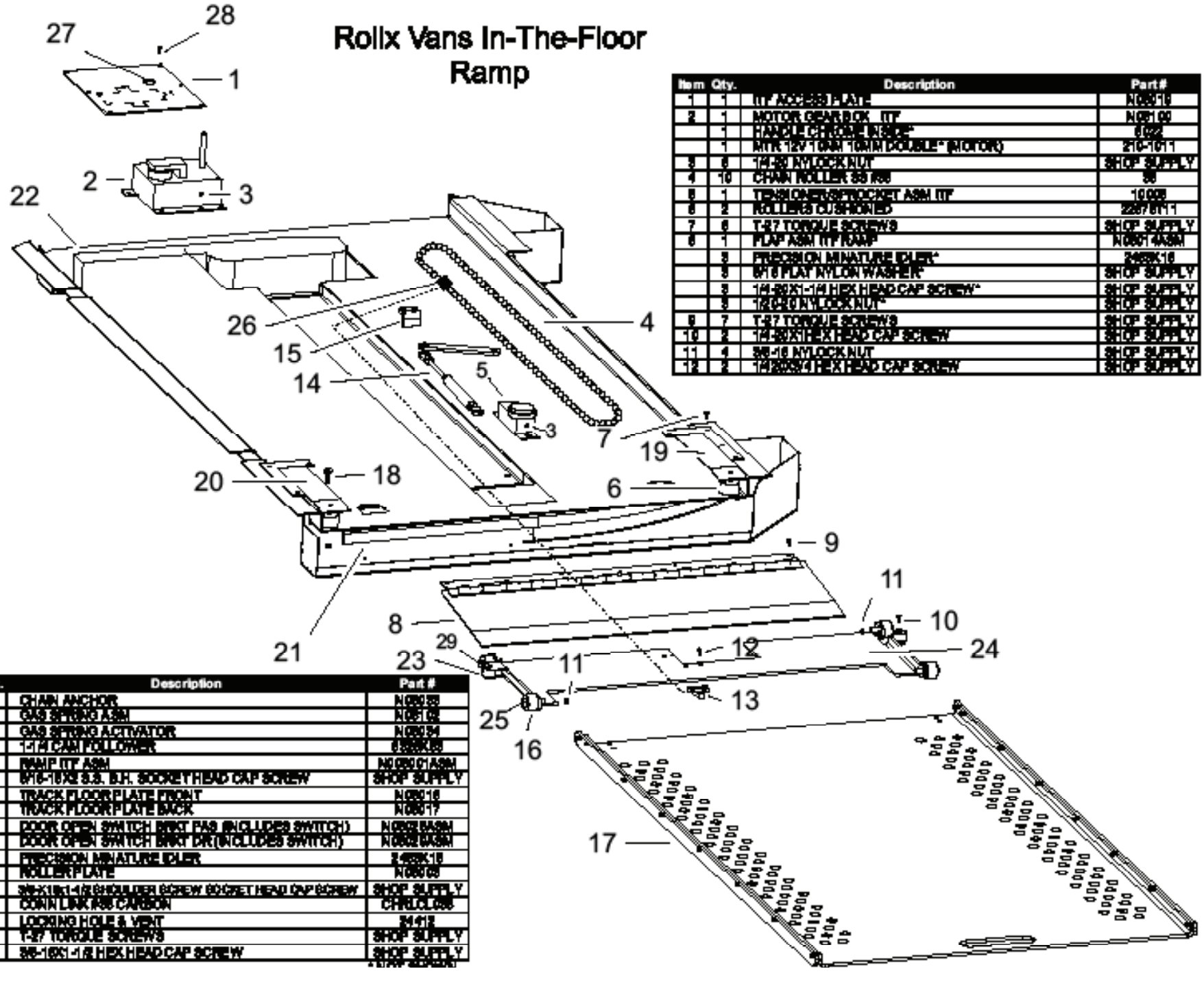
Error 33 - Door Ajar error.

User: Door Ajar Error. Insure the Sliding Door is fully closed and latched then try operation again. If problem reoccurs, call Customer Service...

Tech: The OTC will not run an Open Cycle if the door is Ajar. Insure the door is fully closed and latched. Using the "Setup-Debug-Input Test Mode" check the Door Closed Switch Input with the door both open and closed. If the test fails, check the wiring between the OTC and the Chrysler Cinch Mechanism. This includes the wiring from the OTC to the Snake, the Snake wiring and the wiring in the Door from the Snake to the Cinch Mechanism. Check the operation of the Cinch Mechanism.

Symptom	Possible Cause	Remedy
Ramp will NOT DEPLOY after door opens automatically.	Door open limit switch is not being activated.	When a Open Cycle starts, the OTC will send a command to the Chrysler System to unlock the doors. It then sends a second command to the Chrysler System to open the Right Side Sliding Door. The OTC Computer then waits two seconds and checks the Door Closed Limit Switch. If it finds it still indicates the door is closed, it assumes that a person (or and obstacle) stopped the door opening sequence. It then ends the open cycle and goes back into Idle Mode. After ten to fifteen seconds it goes back into Sleep Mode. This is the sequence of events you will see if the Door Closed Limit Switch malfunctions (sticks closed). This switch is located in the towards the rear of the lower door track.
	Ramp motor not engaged.	Engage ramp motor. Refer to the “Manual Operation” section of owner’s manual.
	Ramp down limit switch needs adjustment to deactivate.	Press Rollx Vans user button again to unkneel van and close door. Review display on OTC board and contact customer service.
	Ramp motor.	Review display on OTC board and contact customer service.
Ramp will NOT STOW automatically.	OTC program failure.	Press OTC reset button.
	Ramp motor not engaged.	Engage ramp motor. Refer to the “Manual Operation” section of this manual.
	Ramp motor.	Review display on OTC board and contact customer service.
	Low voltage from the battery.	Start vehicle. Press OTC reset button and press Rollx Vans user button again.
	Gas spring is not assisting ramp to stow.	Assist ramp in early phases of stowing by pushing ramp in. Contact customer service.
Ramp will STOP AND REVERSE mid-cycle.	Obstacle is detected.	Clear obstruction and press Rollx Vans user button.
		Review display on OTC board and contact customer service.
Ramp will start to deploy or stow then stop functioning.	Pressure on cover plate.	Ensure that there are no objects on top of cover plate.

Rollx Vans In-The-Floor Ramp

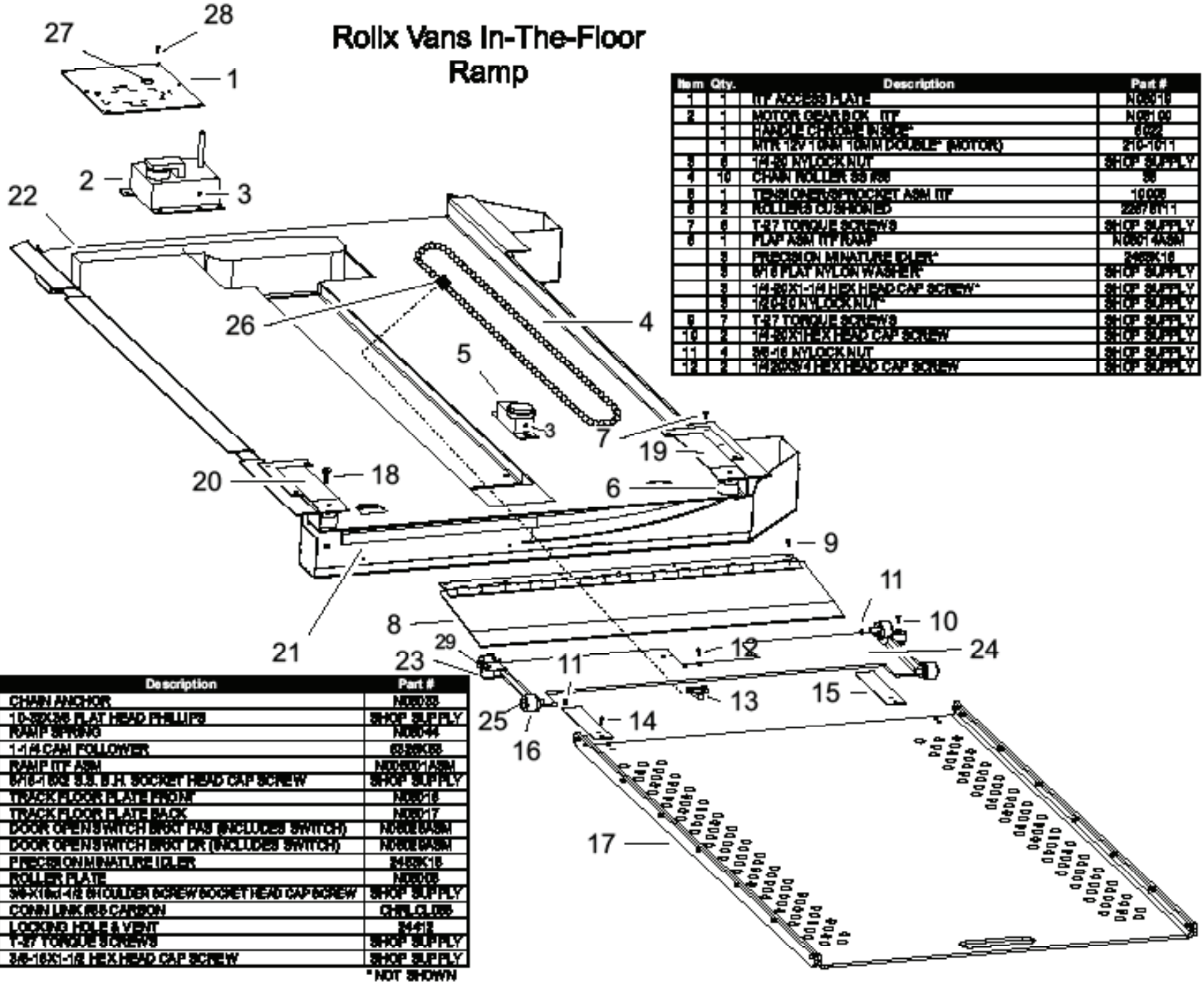


Item	Qty.	Description	Part #
1	1	10" ACCESS PLATE	N06010
2	1	MOTOR GEAR BOX ITF	N06100
	1	HANDLE-CHROME IN SIDE*	6922
	1	MTR 12V 10AM 10MIN DOUBLE* (MOTOR)	210-1011
3	6	1/4-20 NYLOCK NUT	SHOP SUPPLY
4	10	CHAIN ROLLER 35 #06	06
5	1	TENSIONER/SPROCKET ASM ITF	10026
6	2	ROLLERS CUSHIONED	226/6111
7	6	T-27 TORQUE SCREWS	SHOP SUPPLY
8	1	PLAY ASM ITF RAMP	N06014ASM
	5	PRECISION MINATURE IDLER*	2405K16
	5	5/16 PLAY NYLON WASHER*	SHOP SUPPLY
	3	1/4-20X1-1/4 HEX HEAD CAP SCREW*	SHOP SUPPLY
	5	1/4-20 NYLOCK NUT*	SHOP SUPPLY
9	7	T-27 TORQUE SCREWS	SHOP SUPPLY
10	2	1/4-20X1 HEX HEAD CAP SCREW	SHOP SUPPLY
11	4	5/8-18 NYLOCK NUT	SHOP SUPPLY
12	2	1/4-20X3/4 HEX HEAD CAP SCREW	SHOP SUPPLY

Item	Qty.	Description	Part #
13	1	CHAIN ANCHOR	N06035
14	1	GAS SPRING ASM	N06106
15	1	GAS SPRING ACTIVATOR	N06054
16	4	1-1/4 CAM FOLLOWER	6408K66
17	1	RAMP ITF ASM	N06001ASM
18	2	5/16-18X2 S.S. B.H. SOCKET HEAD CAP SCREW	SHOP SUPPLY
19	1	TRACK FLOOR PLATE FRONT	N06016
20	1	TRACK FLOOR PLATE BACK	N06017
21	1	DOOR OPEN SWITCH RIGHT PAS (INCLUDES SWITCH)	N06018ASM
22	1	DOOR OPEN SWITCH RIGHT DR(INCLUDES SWITCH)	N06019ASM
23	2	PRECISION MINATURE IDLER	2405K16
24	1	ROLLER PLATE	N06020
25	2	5/8-11X1-1/2 SHOULDER SCREW SOCKET HEAD CAP SCREW	SHOP SUPPLY
26	1	CONN LINK #06 CARBON	CHNLC06
27	1	LOCKING HOLE & VENT	24412
28	4	T-27 TORQUE SCREWS	SHOP SUPPLY
29	2	5/8-18X1-1/8 HEX HEAD CAP SCREW	SHOP SUPPLY

Symptom	Possible Cause	Remedy
Ramp will NOT DEPLOY after door opens automatically.	Door open limit switch is not being activated.	When a Open Cycle starts, the OTC will send a command to the Chrysler System to unlock the doors. It then sends a second command to the Chrysler System to open the Right Side Sliding Door. The OTC Computer then waits two seconds and checks the Door Closed Limit Switch. If it finds it still indicates the door is closed, it assumes that a person (or and obstacle) stopped the door opening sequence. It then ends the open cycle and goes back into Idle Mode. After ten to fifteen seconds it goes back into Sleep Mode. This is the sequence of events you will see if the Door Closed Limit Switch malfunctions (sticks closed). This switch is located in the towards the rear of the lower door track.
	Ramp motor not engaged.	Engage ramp motor. Refer to the “Manual Operation” section of owner’s manual.
	Ramp down limit switch needs adjustment to deactivate.	Press Rollx Vans user button again to unkneel van and close door. Review display on OTC board and contact customer service.
	Ramp motor.	Review display on OTC board and contact customer service.
Ramp will NOT STOW automatically.	OTC program failure.	Press OTC reset button.
	Ramp motor not engaged.	Engage ramp motor. Refer to the “Manual Operation” section of this manual.
	Ramp motor.	Review display on OTC board and contact customer service.
	Low voltage from the battery.	Start vehicle. Press OTC reset button and press Rollx Vans user button again.
Ramp will STOP AND REVERSE mid-cycle.	Obstacle is detected.	Clear obstruction and press Rollx Vans user button.
		Review display on OTC board and contact customer service.
Ramp will start to deploy or stow then stop functioning.	Pressure on cover plate.	Ensure that there are no objects on top of cover plate.

Rollx Vans In-The-Floor Ramp

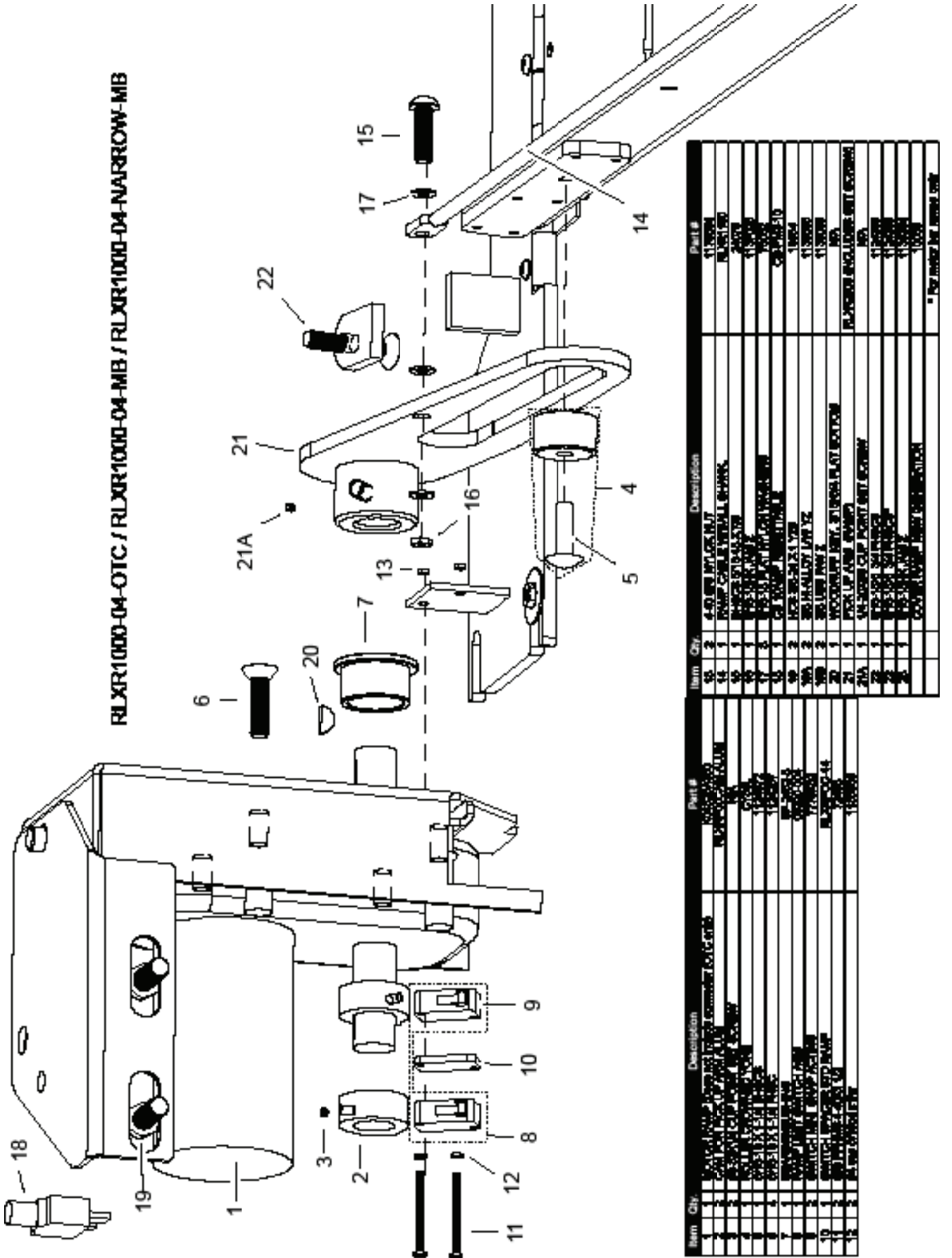


Item	Qty.	Description	Part #
1	1	10" ACCESS PLATE	N00519
2	1	MOTOR GEAR BOX - ITF	N00109
	1	HANDLE-CHROME INSIDE*	6022
	1	MTR 12V 10AH 10MM DOUBLE* (MOTOR)	210-1011
3	6	1/4-20 NYLOCK NUT	SHOP SUPPLY
4	10	CHAIN ROLLER 35 #35	35
5	1	TENSIONER/SPROCKET ASM ITF	10008
6	2	ROLLER/3 CUSHIONED	2267/8111
7	6	T-27 TORQUE SCREWS	SHOP SUPPLY
8	1	PLAP ASM ITF RAMP	N00014ASM
	3	PRECISION MINATURE IDLER*	3405K16
	6	5/16 FLAT NYLON WASHER*	SHOP SUPPLY
	3	1/4-20X1-1/4 HEX HEAD CAP SCREW*	SHOP SUPPLY
	3	1/4-20 NYLOCK NUT*	SHOP SUPPLY
9	7	T-27 TORQUE SCREWS	SHOP SUPPLY
10	2	1/4-20X1 HEX HEAD CAP SCREW	SHOP SUPPLY
11	4	3/8-16 NYLOCK NUT	SHOP SUPPLY
12	2	1/4-20X3/4 HEX HEAD CAP SCREW	SHOP SUPPLY

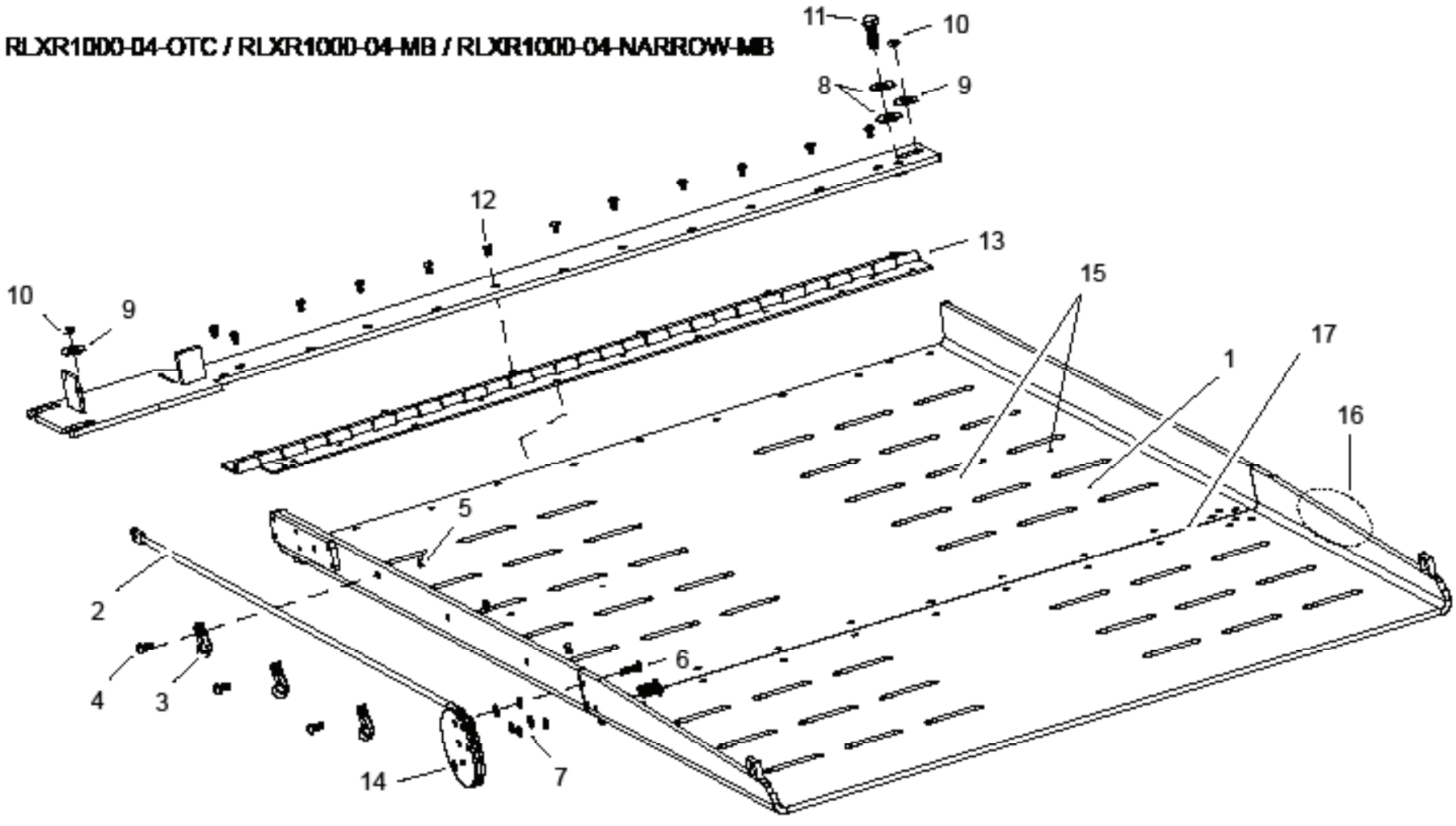
Item	Qty.	Description	Part #
13	1	CHAIN ANCHOR	N00033
14	4	10-32X3/8 FLAT HEAD PHILLIPS	SHOP SUPPLY
15	2	RAMP SPRING	N00044
16	4	1-1/4 CAM FOLLOWER	6206K58
17	1	RAMP ITF ASM	N00/001ASM
18	2	5/16-18X2 S.S. B.H. SOCKET HEAD CAP SCREW	SHOP SUPPLY
19	1	TRACK FLOOR PLATE FRONT	N00016
20	1	TRACK FLOOR PLATE BACK	N00017
21	1	DOOR OPEN SWITCH BRKT PAS (INCLUDES SWITCH)	N00024ASM
22	1	DOOR OPEN SWITCH BRKT DR (INCLUDES SWITCH)	N00024ASM
23	2	PRECISION MINATURE IDLER	3405K16
24	1	ROLLER PLATE	N00026
25	2	3/8-X16x1-1/2 SHOULDER SCREW SOCKET HEAD CAP SCREW	SHOP SUPPLY
26	1	CONN LINK #35 CARBON	CHNLG035
27	1	LOCKING HOLE & VENT	3412
28	4	T-27 TORQUE SCREWS	SHOP SUPPLY
29	2	3/8-16X1-1/2 HEX HEAD CAP SCREW	SHOP SUPPLY

* NOT SHOWN

Symptom	Possible Cause	Remedy
Ramp will NOT DEPLOY after door opens automatically.	Ramp fuse or circuit breaker is blown.	Press Rollx Vans user button again to unkneel van and close door. Reset circuit breaker or check ramp fuse and replace if needed with 15 amp glass fuse located in glove box.
	Door open limit switch is not being activated.	When a Open Cycle starts, the OTC will send a command to the Chrysler System to unlock the doors. It then sends a second command to the Chrysler System to open the Right Side Sliding Door. The OTC Computer then waits two seconds and checks the Door Closed Limit Switch. If it finds it still indicates the door is closed, it assumes that a person (or and obstacle) stopped the door opening sequence. It then ends the open cycle and goes back into Idle Mode. After ten to fifteen seconds it goes back into Sleep Mode. This is the sequence of events you will see if the Door Closed Limit Switch malfunctions (sticks closed). This switch is located in the Right Side Sliding Door Latch Assembly.
	Ramp down limit switch needs adjustment to deactivate.	Press Rollx Vans user button again to unkneel van and close door. Review display on OTC board and contact customer service.
	Ramp motor.	Press Rollx Vans user button again to unkneel van and close door. Review display on OTC board and contact customer service.
Ramp will NOT STOW automatically.	OTC program failure.	Press OTC reset button.
	Ramp fuse or circuit breaker is blown.	Press Rollx Vans user button again to unkneel van and close door. Reset circuit breaker or check ramp fuse and replace if needed with 15 amp glass fuse located in glove box.
	Ramp motor.	Review display on OTC board and contact customer service.
Ramp will STOP AND REVERSE mid-cycle.	Obstacle is detected.	Clear obstruction and press Rollx Vans user button.
		Review display on OTC board and contact customer service.


RLXR1000-04-OTC / RLXR1000-04-MB / RLXR1000-04-NARROW-MB

RLXR1000-04-OTC / RLXR1000-04-MB / RLXR1000-04-NARROW-MB



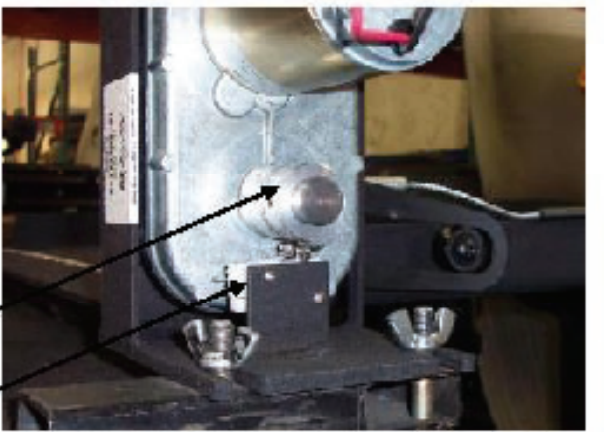
Item	Qty.	Description	Part #
1	1	RAMP (STANDARD (RAMP NARROW)	RLXR3000 (RLXR3000N)
2	1	RAMP CABLE WHEEL (HOOK,	RLXR3100
3	3	CLAMP INSULATED 3/8"	8863T13
4	3	1/4-20 X 1/2 BH(SS)	1124048
5	3	1/4-20 NYE JAM NYLOK	1137028
6	3	10-32 X 3/4 BH(SS)	1124042
7	6	#10 (ONE FAW Z	1133074
8	2	1/4 HI-ALLOY LAW YZ	1133891
9	2	3/8 USS F/W Z	1133008
10	2	3/8-16 YZB NE NYLOCK	1137185

Item	Qty.	Description	Part #
11	1	HCS 1/4-20X1/2 YZB BFA	0115001
12	12	#10-32X5/8 BUTTON HEAD SOCKET CAP SCREW	N/A
13	1	HINGE, RAMP FOLDING	RLXR3004(N)
14	1	CABLE BUNDLE (ROUND DISC)	RLXR1025
15	4	RIVET*	97517A130
15	4	#4 size 5/16od x 1in	1133066
15	1	RUBBER BULB SEAL BACK FOAM*	N050B01
16	04	ANTI-RATTLE RUBBER URETH FOR (Motor Bar Only)*	27096
17	1	HINGE UPPER RAMP FD PAINTED	RLXR1007
			* Not shown

1) Put ramp in up position. Loosen setscrew and rotate up cam until up limit is activated.

2) Put ramp in unfolded position 10 inches from ground.

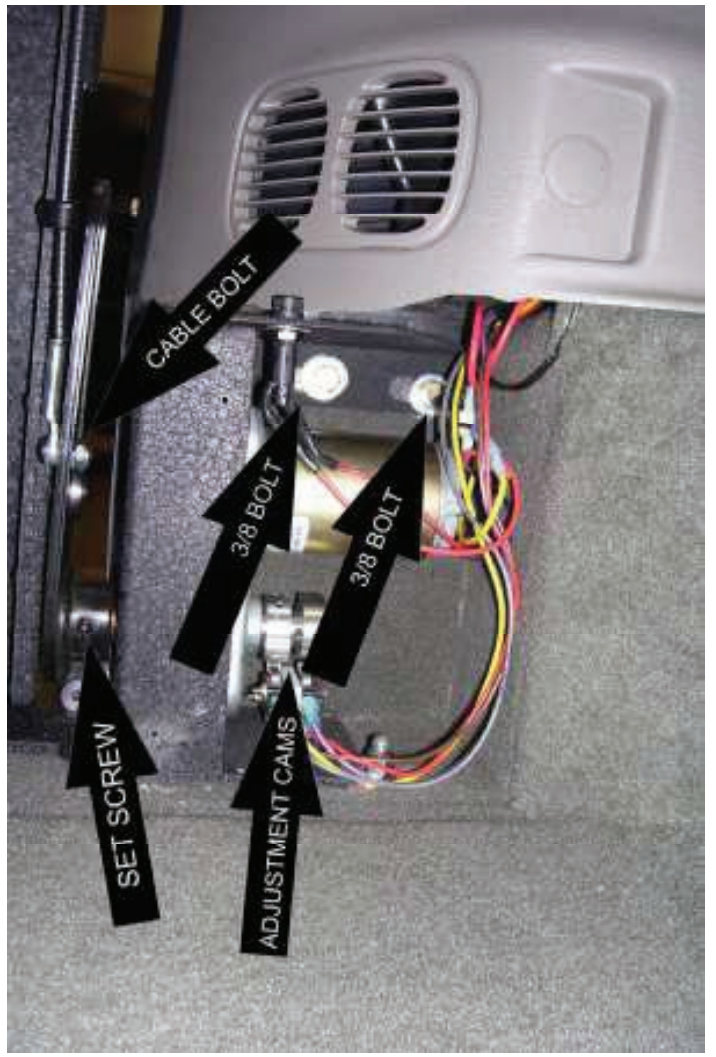
3) Loosen setscrew on ramp out cam and rotate until limit switch activates. Tighten set screw.

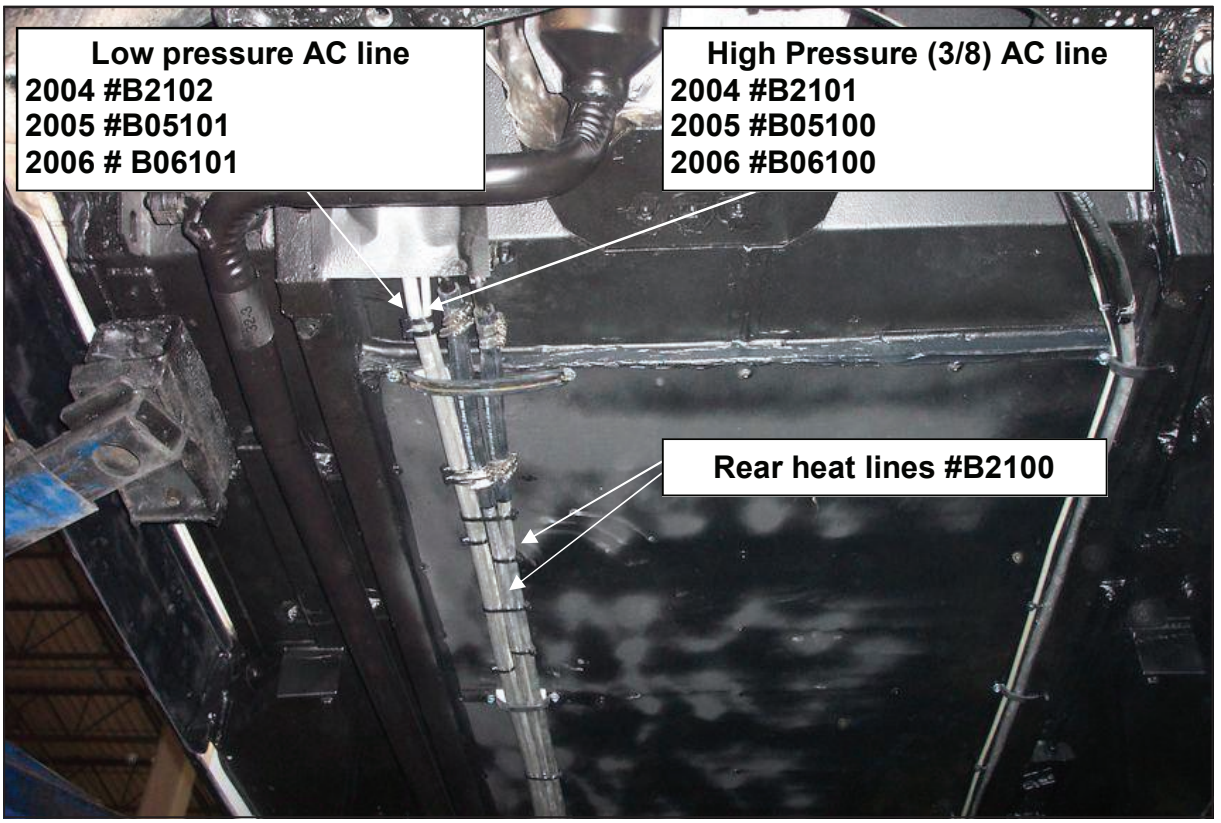


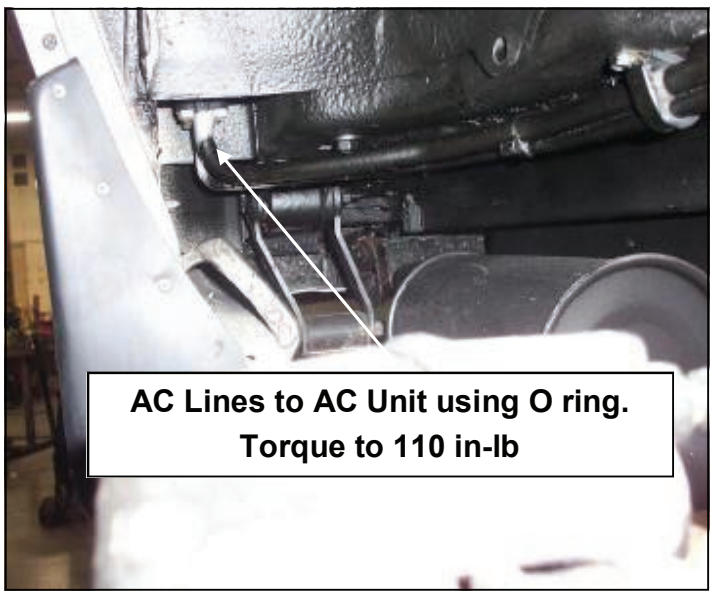
Folding Ramp Motor Install (steps 1—19)
Ramp Removal Instructions (steps 1-4 + 15-19)

1. Remove carpeted motor panel. This is held on by two Phillip head screws.
2. Disconnect wires going to limit switches and motor.
3. Unbolt ramp. There are two bolts (3/8) that go into the side of the van above ramp motor and two nuts (3/8) on the floor of the van-one nut is by the motor and one nut is by b-pillar.
4. Remove ramp from van.
5. Extend ramp so it is laying flat.
6. Remove roller from pick up arm. Also, remove cable bolt.
7. Remove set screw from pick up arm. Then insert 5/16 bolt into pick up arm to pull pick up arm off of motor shaft. If this does not work, cut motor shaft with a saw and punch out scrap piece from pick up arm.
8. Remove limit switches off of ramp.
9. Take out the four Allen head bolts (3/16) holding ramp motor. Remove motor.
10. Insert new motor. Reinstall the four Allen head screws with lock tight.
11. Reinstall limit switches.
12. Remove cams off of old motor and install on the new ramp motor. You will need to adjust these cams at step 16.
13. Reinstall pick up arm. Line up pick up arm and key way. Ensure Woodruff key is all the way inserted into the pick up arm.
14. Reinstall set screw (3/16) with lock tight.
15. Reinstall ramp in the van. Secure ramp with original hardware.
16. Install wiring for limit switches and motor.
17. Adjust ramp cams. Refer to Ramp Adjustment Instructions.
18. Test ramp for proper limit switch adjustment.
19. Reinstall carpeted motor cover.

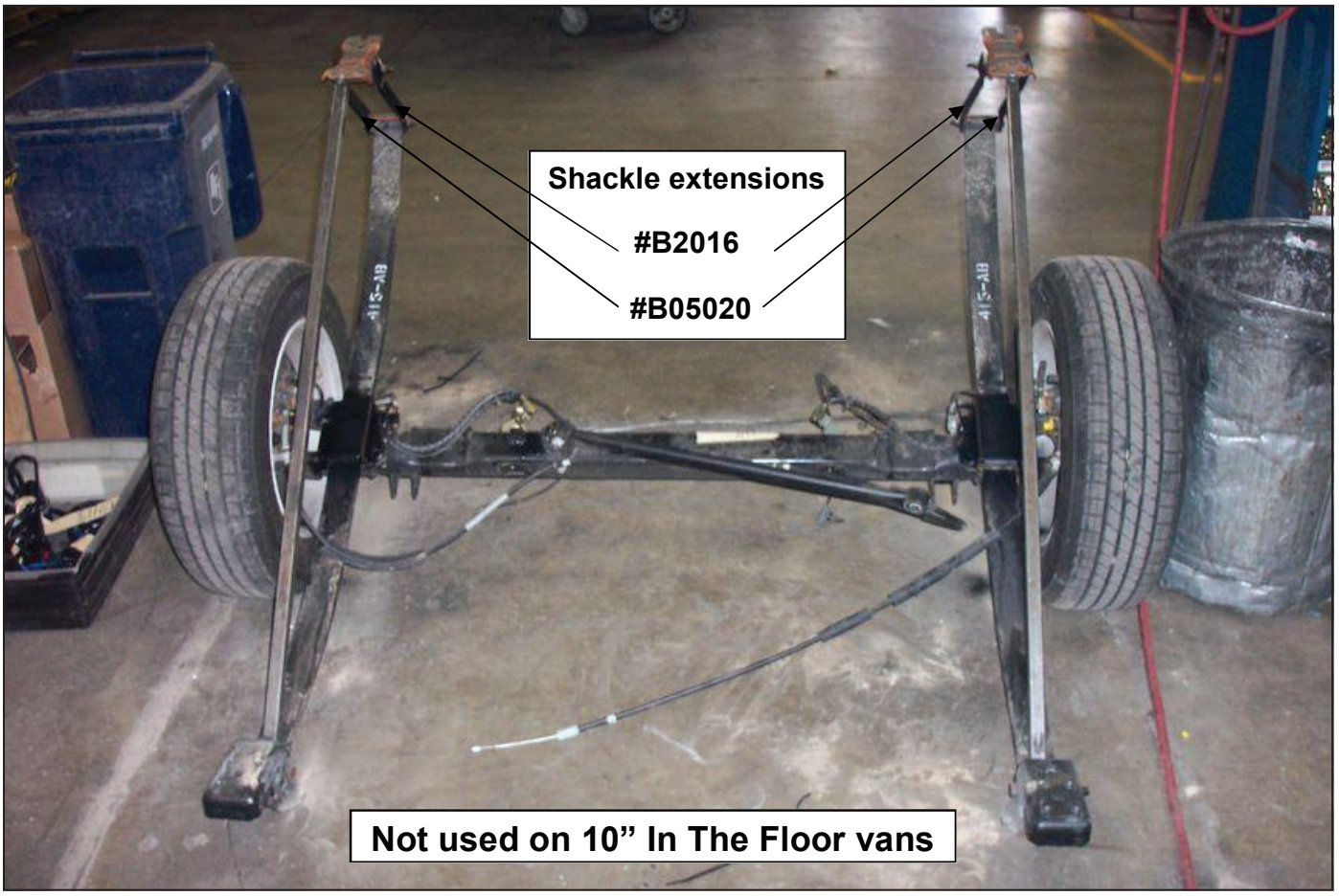
PICK UP ARM
ROLLER
3/8 NUT
3/8 NUT
PHILLIPS HEADS


CABLE BOLT
3/8 BOLT
3/8 BOLT
SET SCREW
ADJUSTMENT CAMS

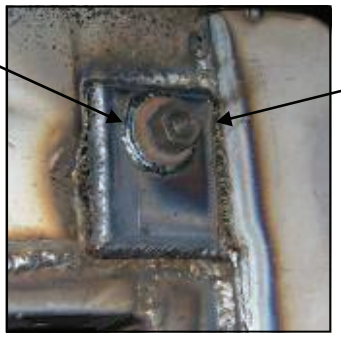

Low pressure AC line
2004 #B2102
2005 #B05101
2006 # B06101
High Pressure (3/8) AC line
2004 #B2101
2005 #B05100
2006 #B06100
Rear heat lines #B2100


AC Lines to AC Unit using O ring.
Torque to 110 in-lb

Rear heat lines #B2100



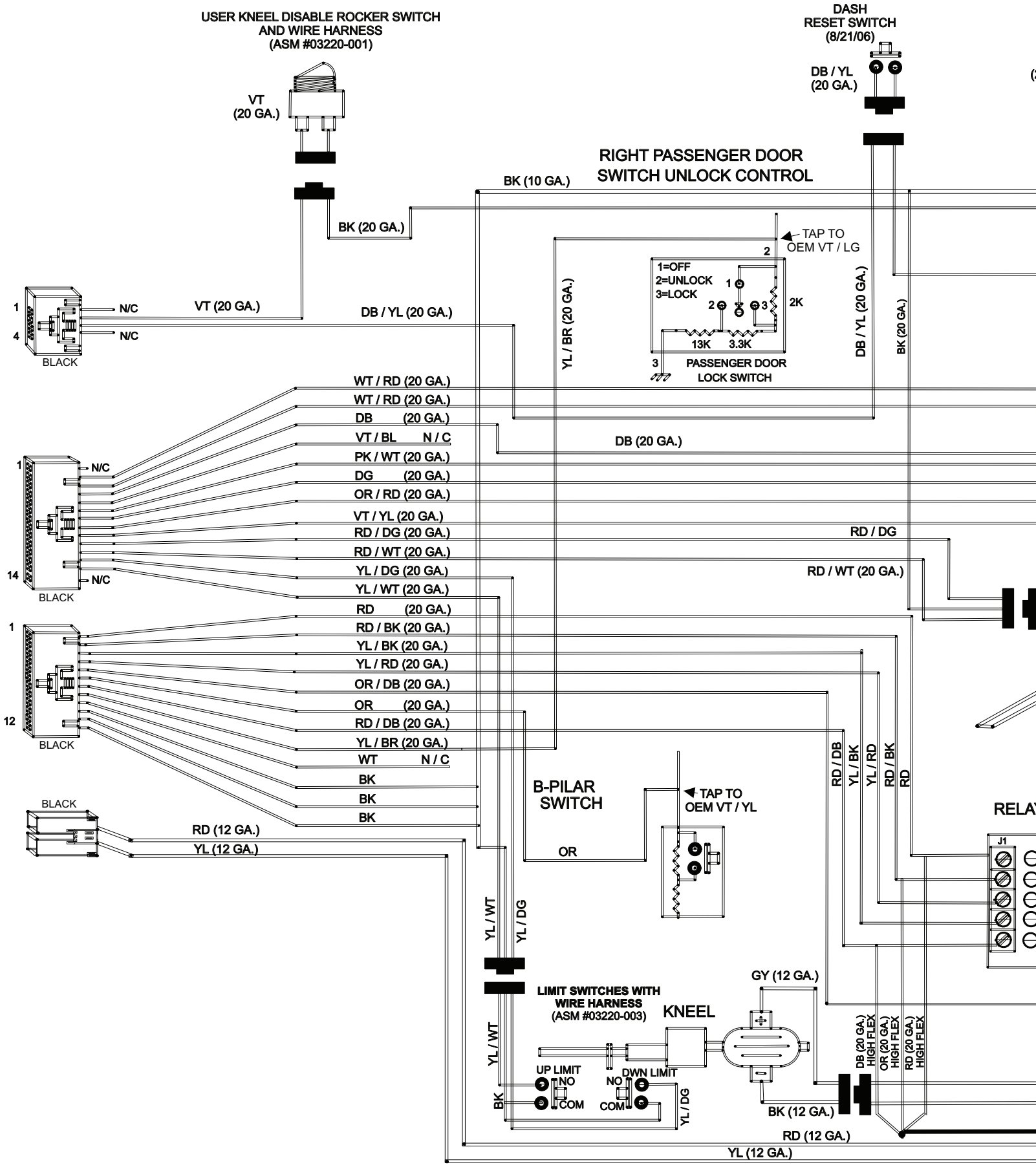
Folding ramp vans—OEM shocks

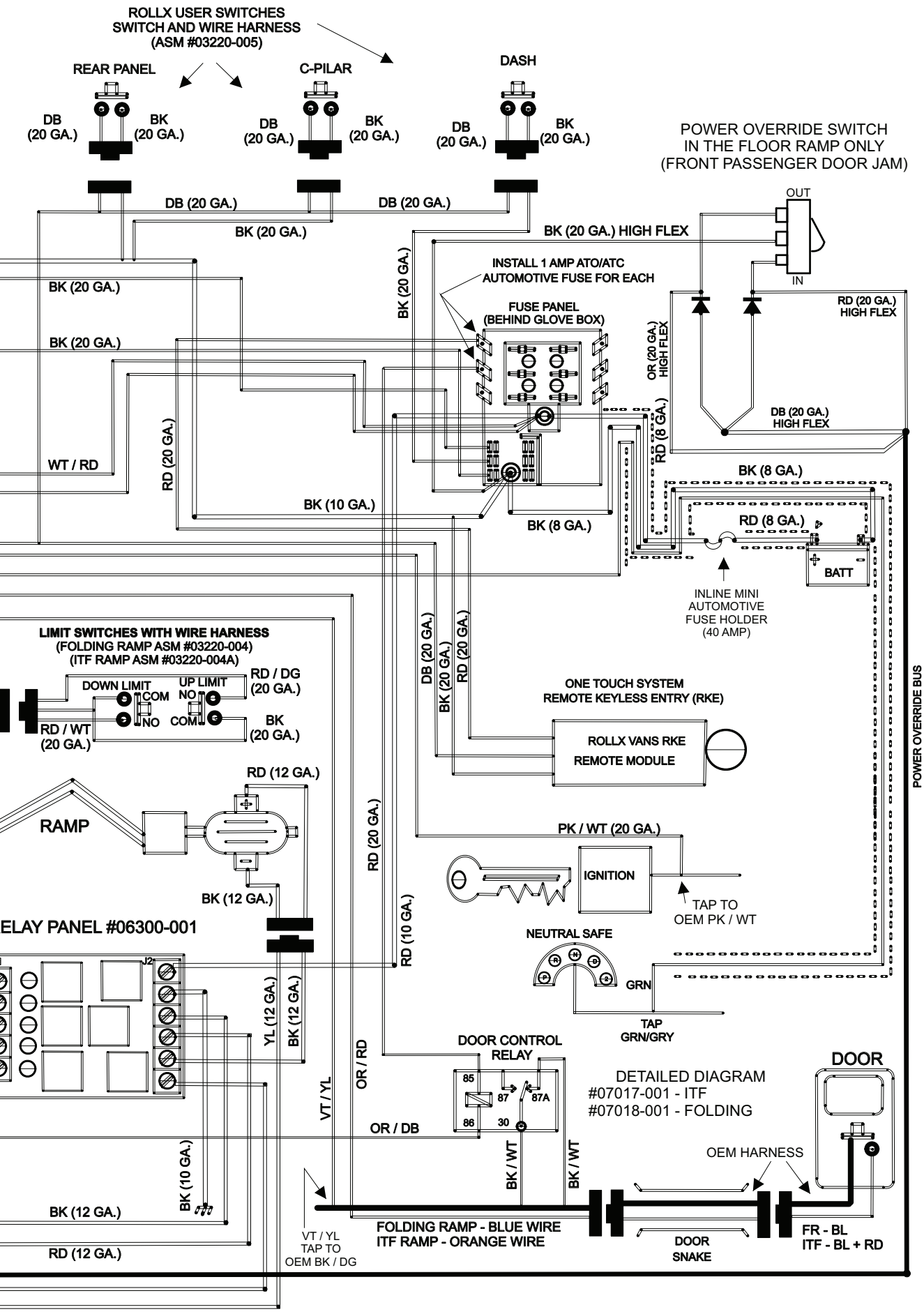


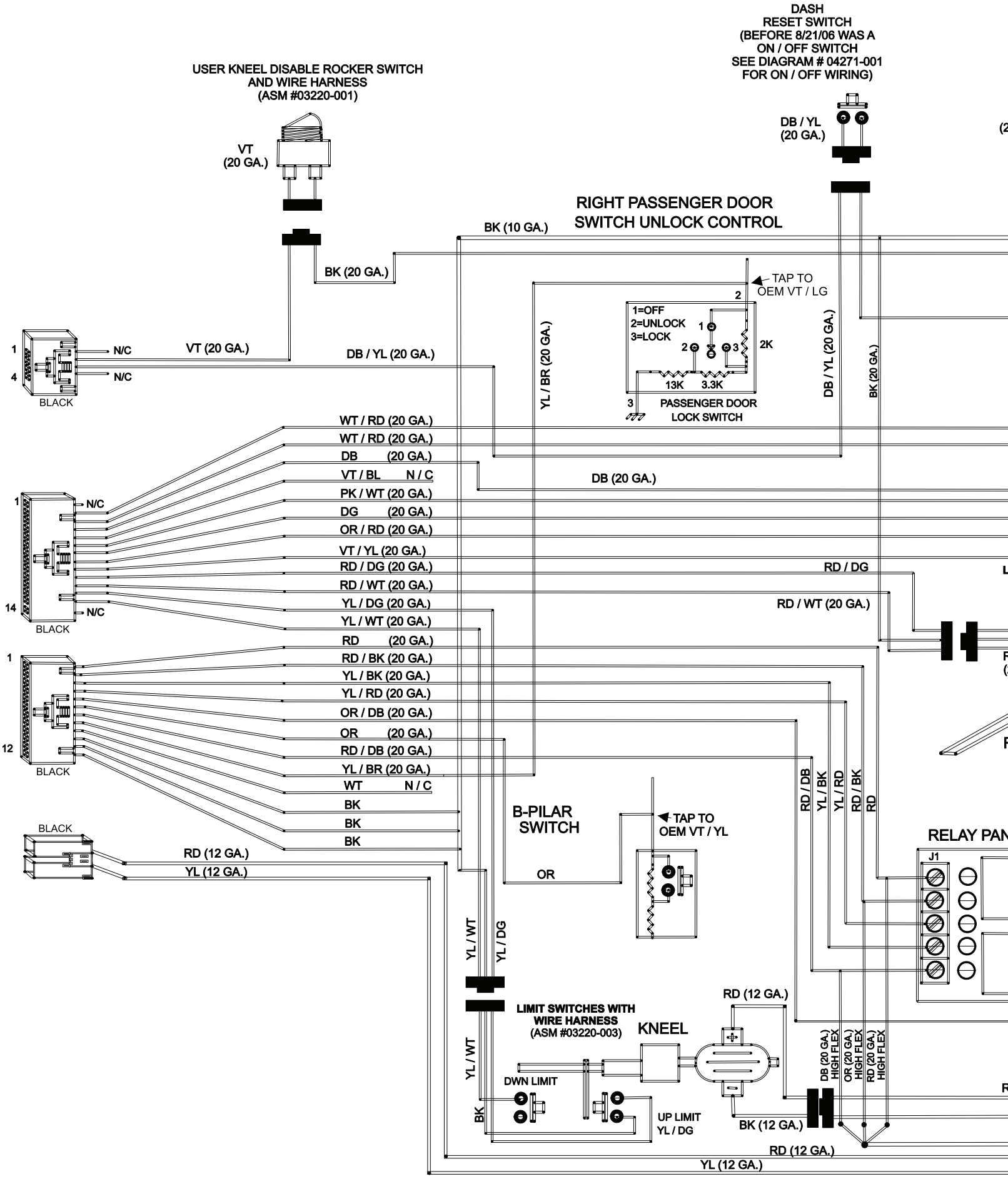
Welded OEM nut (from OEM seatbase). Reuse OEM shock bolt and washer.

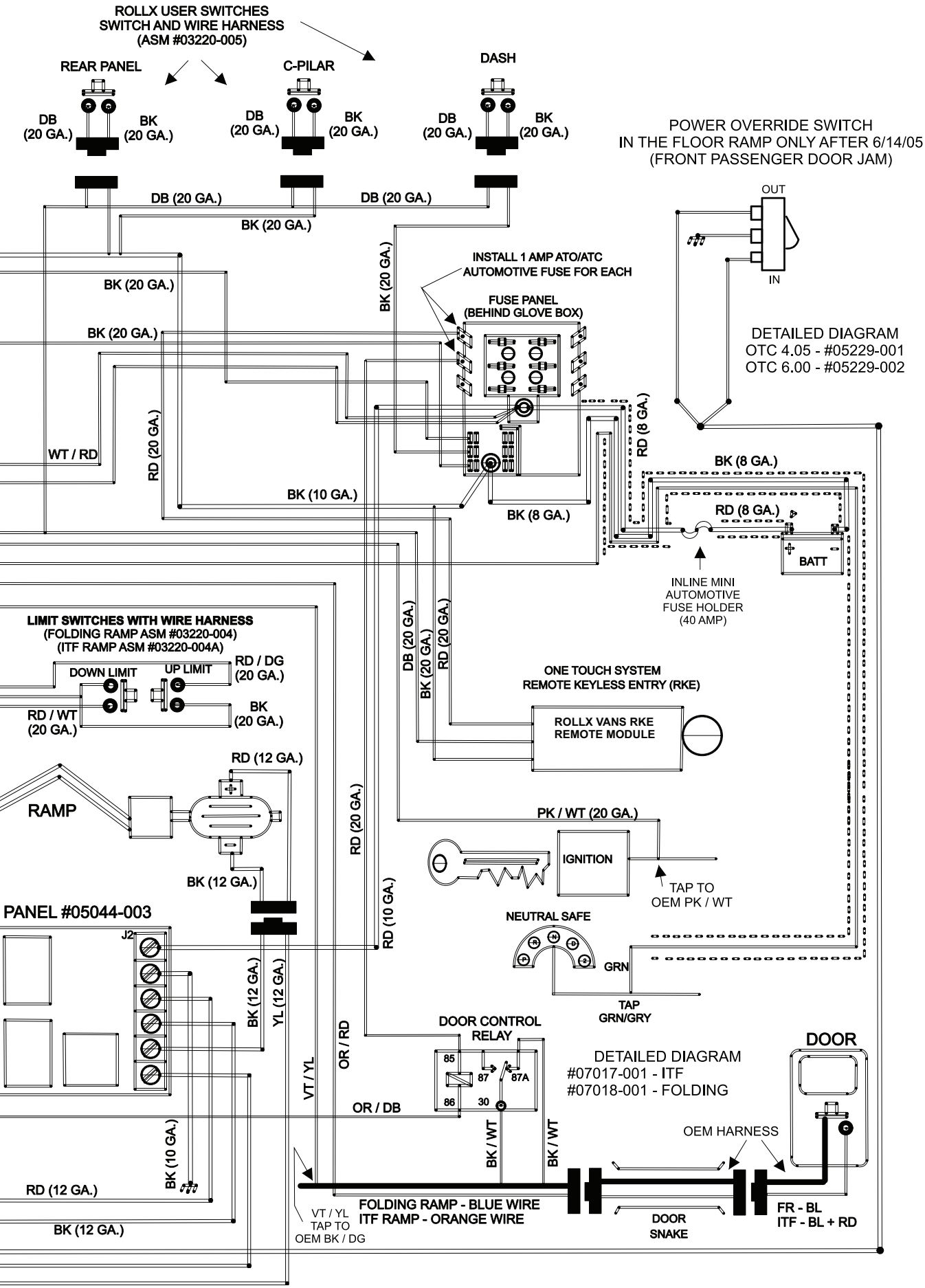
In The Floor van shocks
#YB1844182

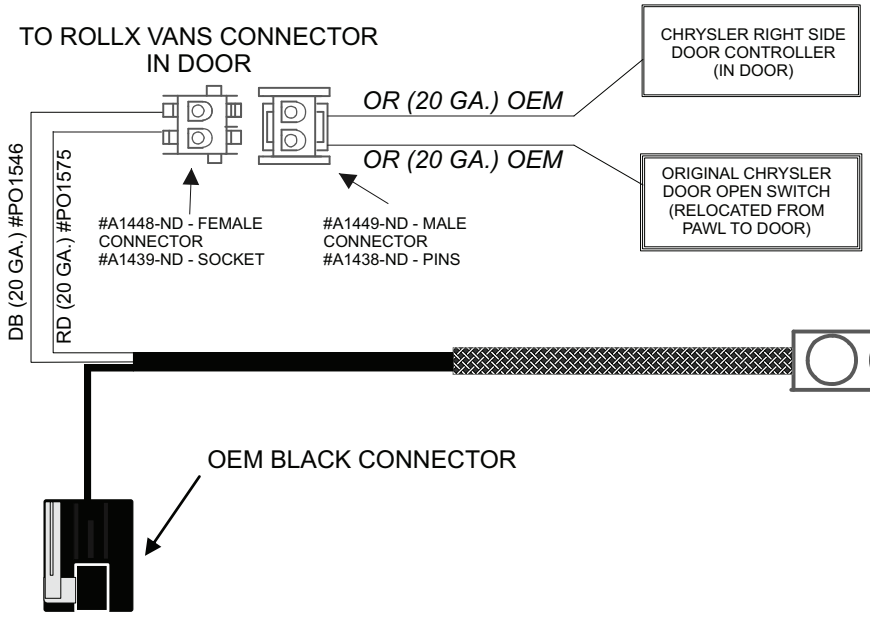
Trailer Tow Prep van shocks (not shown)
#58620HD

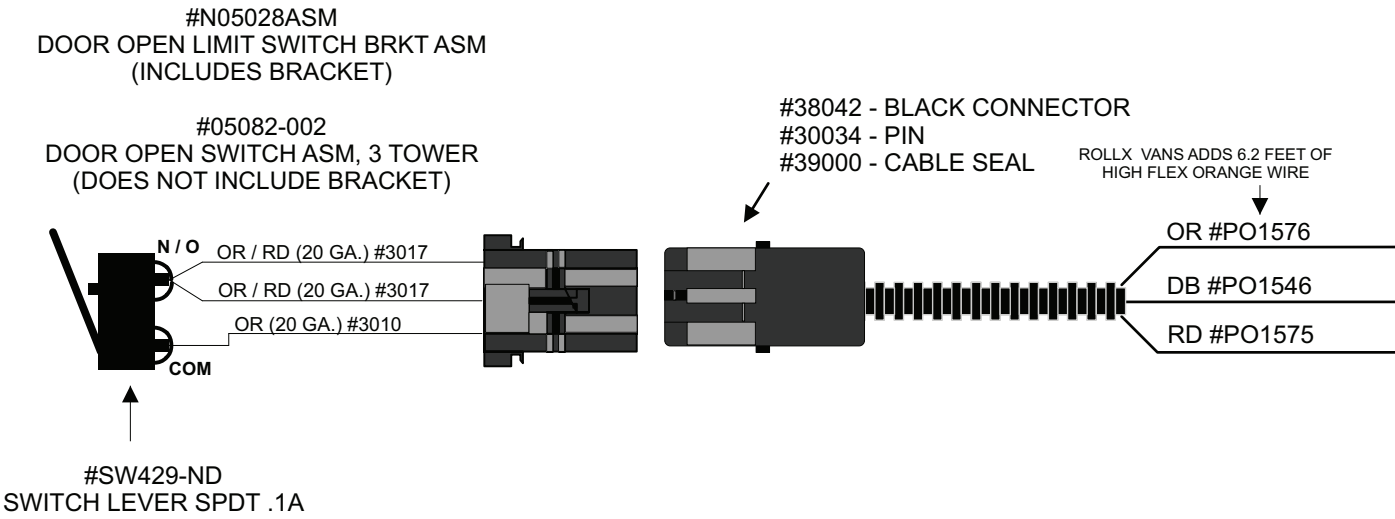

USER KNEEL DISABLE ROCKER SWITCH
AND WIRE HARNESS
(ASM #03220-001)
VT
(20 GA.)
DASH
RESET SWITCH
(8/21/06)
DB / YL
(20 GA.)
RIGHT PASSENGER DOOR
SWITCH UNLOCK CONTROL
BK (10 GA.)
BK (20 GA.)
TAP TO
OEM VT / LG
1=OFF
2=UNLOCK
3=LOCK
2K
13K
3.3K
PASSENGER DOOR
LOCK SWITCH
YL / BR (20 GA.)
DB / YL (20 GA.)
BK (20 GA.)
1
4
N/C
N/C
BLACK
VT (20 GA.)
DB / YL (20 GA.)
WT / RD (20 GA.)
WT / RD (20 GA.)
DB (20 GA.)
VT / BL N / C
PK / WT (20 GA.)
DG (20 GA.)
OR / RD (20 GA.)
VT / YL (20 GA.)
RD / DG (20 GA.)
RD / WT (20 GA.)
YL / DG (20 GA.)
YL / WT (20 GA.)
RD (20 GA.)
RD / BK (20 GA.)
YL / BK (20 GA.)
YL / RD (20 GA.)
OR / DB (20 GA.)
OR (20 GA.)
RD / DB (20 GA.)
YL / BR (20 GA.)
WT N / C
BK
BK
BK
1
14
N/C
N/C
BLACK
1
12
BLACK
BLACK
RD (12 GA.)
YL (12 GA.)
DB (20 GA.)
RD / DG
RD / WT (20 GA.)
B-PILAR
SWITCH
TAP TO
OEM VT / YL
OR
RD / DB
YL / BK
YL / RD
RD / BK
RD
J1
YL / WT
YL / DG
LIMIT SWITCHES WITH
WIRE HARNESS
(ASM #03220-003)
KNEEL
GY (12 GA.)
UP LIMIT
NO
COM
DWN LIMIT
NO
COM
BK
YL / WT
YL / DG
DB (20 GA.)
HIGH FLEX
OR (20 GA.)
HIGH FLEX
RD (20 GA.)
HIGH FLEX
BK (12 GA.)
RD (12 GA.)
YL (12 GA.)


ROLLX USER SWITCHES
SWITCH AND WIRE HARNESS
(ASM #03220-005)
REAR PANEL
C-PILAR
DASH
DB (20 GA.)
BK (20 GA.)
DB (20 GA.)
BK (20 GA.)
DB (20 GA.)
BK (20 GA.)
POWER OVERRIDE SWITCH
IN THE FLOOR RAMP ONLY
(FRONT PASSENGER DOOR JAM)
OUT
IN
BK (20 GA.) HIGH FLEX
INSTALL 1 AMP ATO/ATC
AUTOMOTIVE FUSE FOR EACH
FUSE PANEL
(BEHIND GLOVE BOX)
RD (20 GA.)
HIGH FLEX
OR (20 GA.)
HIGH FLEX
RD (8 GA.)
DB (20 GA.)
HIGH FLEX
BK (8 GA.)
RD (8 GA.)
BATT
INLINE MINI
AUTOMOTIVE
FUSE HOLDER
(40 AMP)
BK (10 GA.)
BK (8 GA.)
WT / RD
RD (20 GA.)
LIMIT SWITCHES WITH WIRE HARNESS
(FOLDING RAMP ASM #03220-004)
(ITF RAMP ASM #03220-004A)
DOWN LIMIT
UP LIMIT
COM
NO
NO
COM
RD / DG
(20 GA.)
BK
(20 GA.)
RD / WT
(20 GA.)
ONE TOUCH SYSTEM
REMOTE KEYLESS ENTRY (RKE)
ROLLX VANS RKE
REMOTE MODULE
RD (12 GA.)
RAMP
BK (12 GA.)
PK / WT (20 GA.)
IGNITION
TAP TO
OEM PK / WT
NEUTRAL SAFE
GRN
TAP
GRN/GRY
RELAY PANEL #06300-001
J2
YL (12 GA.)
BK (12 GA.)
RD (10 GA.)
DOOR CONTROL
RELAY
85
87
87A
86
30
DETAILED DIAGRAM
#07017-001 - ITF
#07018-001 - FOLDING
DOOR
OR / RD
VT / YL
OR / DB
BK / WT
BK / WT
OEM HARNESS
BK (10 GA.)
BK (12 GA.)
RD (12 GA.)
VT / YL
TAP TO
OEM BK / DG
FOLDING RAMP - BLUE WIRE
ITF RAMP - ORANGE WIRE
DOOR
SNAKE
FR - BL
ITF - BL + RD
POWER OVERRIDE BUS

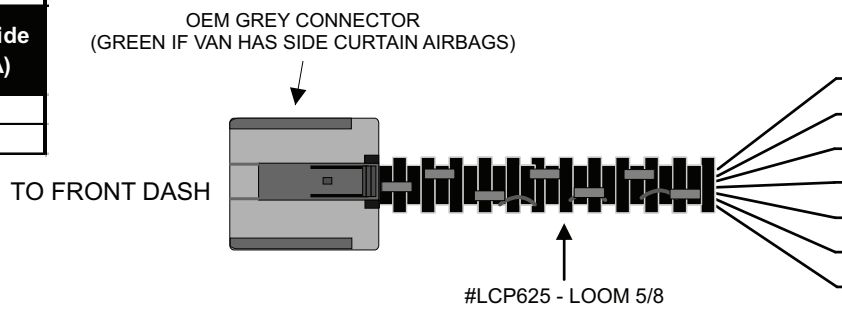

USER KNEEL DISABLE ROCKER SWITCH
AND WIRE HARNESS
(ASM #03220-001)
VT
(20 GA.)
DASH
RESET SWITCH
(BEFORE 8/21/06 WAS A
ON / OFF SWITCH
SEE DIAGRAM # 04271-001
FOR ON / OFF WIRING)
DB / YL
(20 GA.)
RIGHT PASSENGER DOOR
SWITCH UNLOCK CONTROL
BK (10 GA.)
BK (20 GA.)
TAP TO
OEM VT / LG
1=OFF
2=UNLOCK
3=LOCK
2K
13K
3.3K
PASSENGER DOOR
LOCK SWITCH
YL / BR (20 GA.)
DB / YL (20 GA.)
BK (20 GA.)
N/C
VT (20 GA.)
DB / YL (20 GA.)
BLACK
WT / RD (20 GA.)
WT / RD (20 GA.)
DB (20 GA.)
VT / BL N / C
PK / WT (20 GA.)
DG (20 GA.)
OR / RD (20 GA.)
VT / YL (20 GA.)
RD / DG (20 GA.)
RD / WT (20 GA.)
YL / DG (20 GA.)
YL / WT (20 GA.)
RD (20 GA.)
RD / BK (20 GA.)
YL / BK (20 GA.)
YL / RD (20 GA.)
OR / DB (20 GA.)
OR (20 GA.)
RD / DB (20 GA.)
YL / BR (20 GA.)
WT N / C
BK
BK
BK
DB (20 GA.)
RD / DG
RD / WT (20 GA.)
RD / DB
YL / BK
YL / RD
RD / BK
RD
B-PILAR
SWITCH
TAP TO
OEM VT / YL
OR
RELAY PAN
J1
RD (12 GA.)
YL (12 GA.)
YL / WT
YL / DG
LIMIT SWITCHES WITH
WIRE HARNESS
(ASM #03220-003)
KNEEL
DWN LIMIT
UP LIMIT
YL / DG
BK
BK (12 GA.)
RD (12 GA.)
YL (12 GA.)
DB (20 GA.)
HIGH FLEX
OR (20 GA.)
HIGH FLEX
RD (20 GA.)
HIGH FLEX

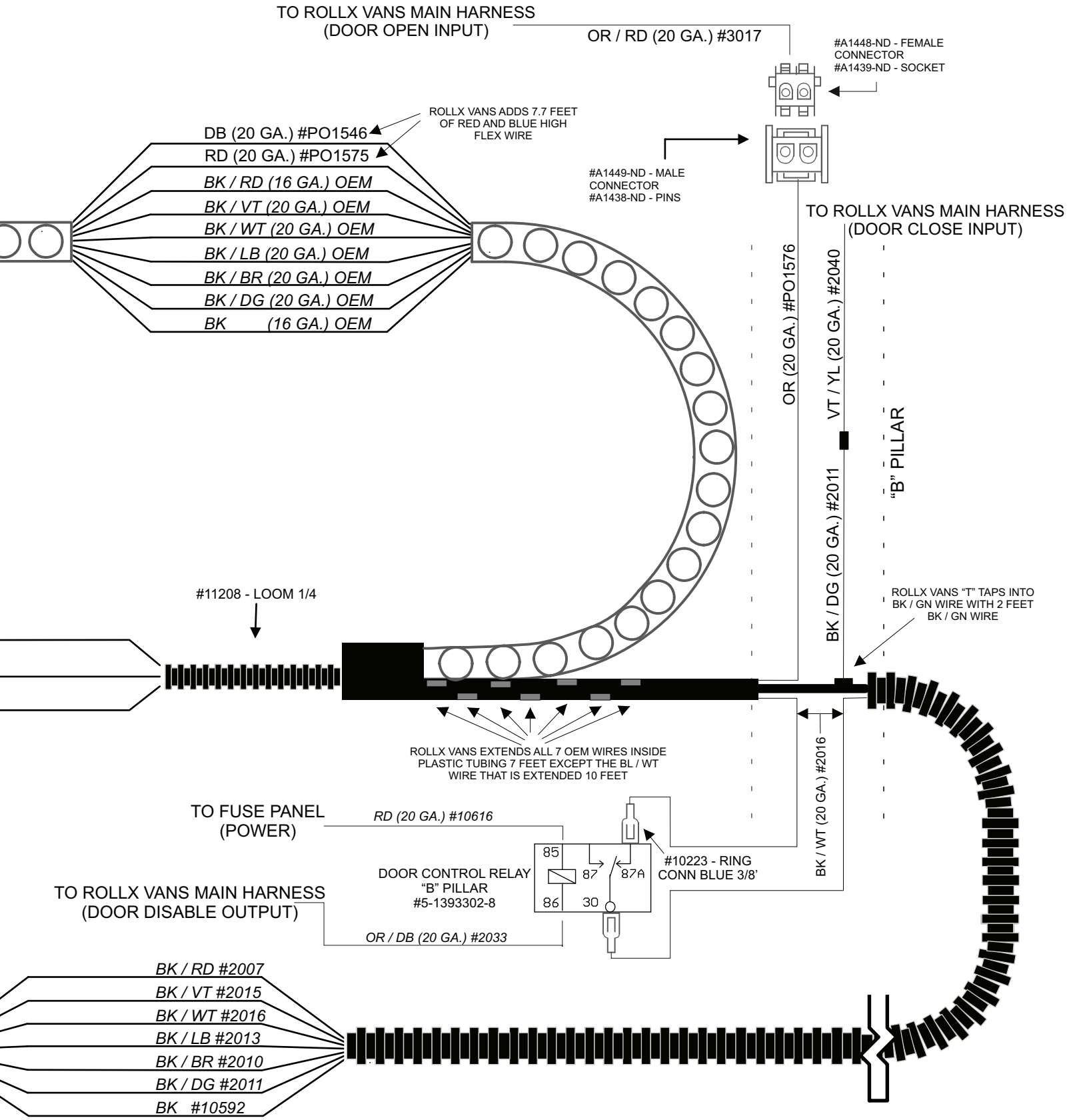

ROLLX USER SWITCHES
SWITCH AND WIRE HARNESS
(ASM #03220-005)
REAR PANEL
C-PILAR
DASH
DB (20 GA.)
BK (20 GA.)
DB (20 GA.)
BK (20 GA.)
DB (20 GA.)
BK (20 GA.)
DB (20 GA.)
DB (20 GA.)
BK (20 GA.)
POWER OVERRIDE SWITCH
IN THE FLOOR RAMP ONLY AFTER 6/14/05
(FRONT PASSENGER DOOR JAM)
OUT
IN
DETAILED DIAGRAM
OTC 4.05 - #05229-001
OTC 6.00 - #05229-002
INSTALL 1 AMP ATO/ATC
AUTOMOTIVE FUSE FOR EACH
FUSE PANEL
(BEHIND GLOVE BOX)
BK (20 GA.)
BK (20 GA.)
BK (20 GA.)
WT / RD
RD (20 GA.)
BK (10 GA.)
BK (8 GA.)
RD (8 GA.)
BK (8 GA.)
RD (8 GA.)
BATT
INLINE MINI
AUTOMOTIVE
FUSE HOLDER
(40 AMP)
LIMIT SWITCHES WITH WIRE HARNESS
(FOLDING RAMP ASM #03220-004)
(ITF RAMP ASM #03220-004A)
DOWN LIMIT
UP LIMIT
RD / DG
(20 GA.)
RD / WT
(20 GA.)
BK
(20 GA.)
DB (20 GA.)
BK (20 GA.)
RD (20 GA.)
ONE TOUCH SYSTEM
REMOTE KEYLESS ENTRY (RKE)
ROLLX VANS RKE
REMOTE MODULE
RD (12 GA.)
RAMP
PK / WT (20 GA.)
IGNITION
TAP TO
OEM PK / WT
BK (12 GA.)
RD (20 GA.)
PANEL #05044-003
J2
RD (10 GA.)
NEUTRAL SAFE
GRN
TAP
GRN/GRY
BK (12 GA.)
YL (12 GA.)
DOOR CONTROL
RELAY
85
87
87A
86
30
DETAILED DIAGRAM
#07017-001 - ITF
#07018-001 - FOLDING
DOOR
VT / YL
OR / RD
OR / DB
BK / WT
BK / WT
OEM HARNESS
BK (10 GA.)
RD (12 GA.)
BK (12 GA.)
VT / YL
TAP TO
OEM BK / DG
FOLDING RAMP - BLUE WIRE
ITF RAMP - ORANGE WIRE
DOOR
SNAKE
FR - BL
ITF - BL + RD

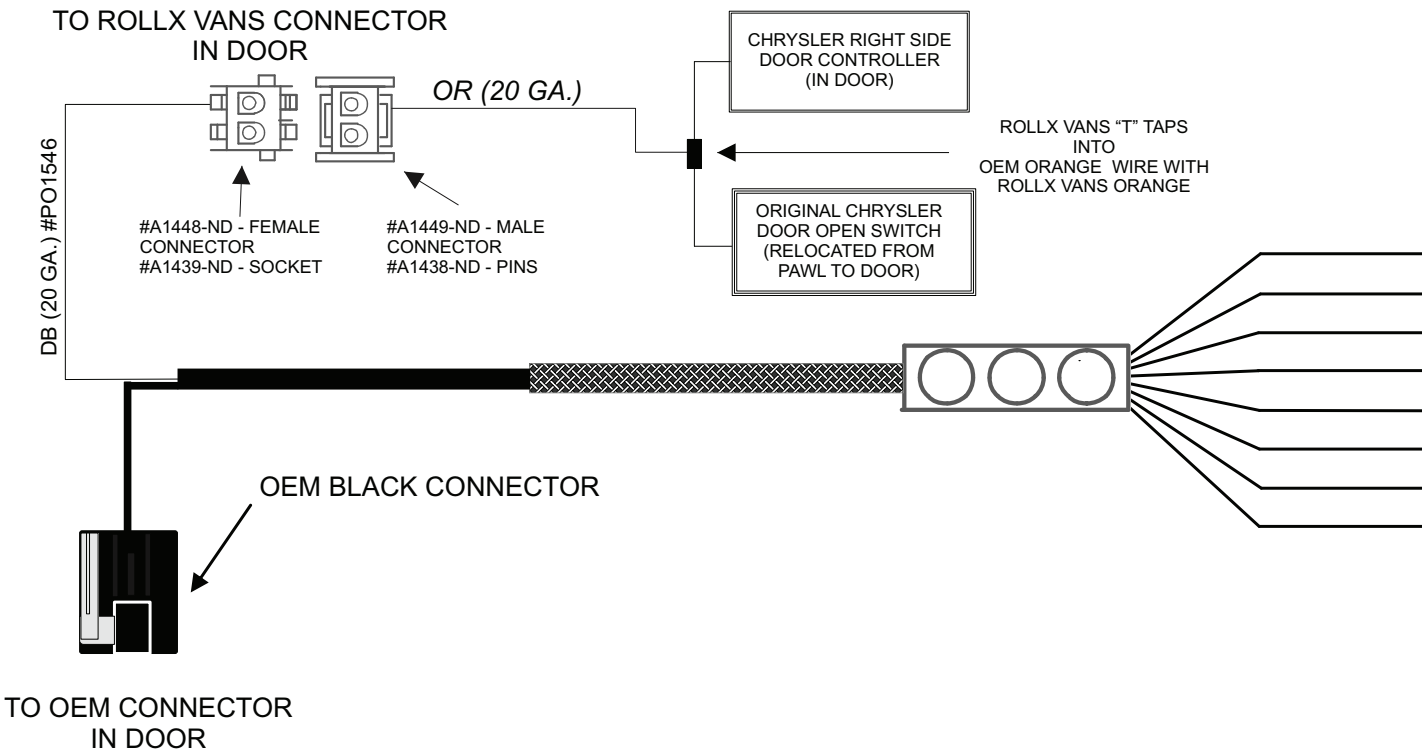




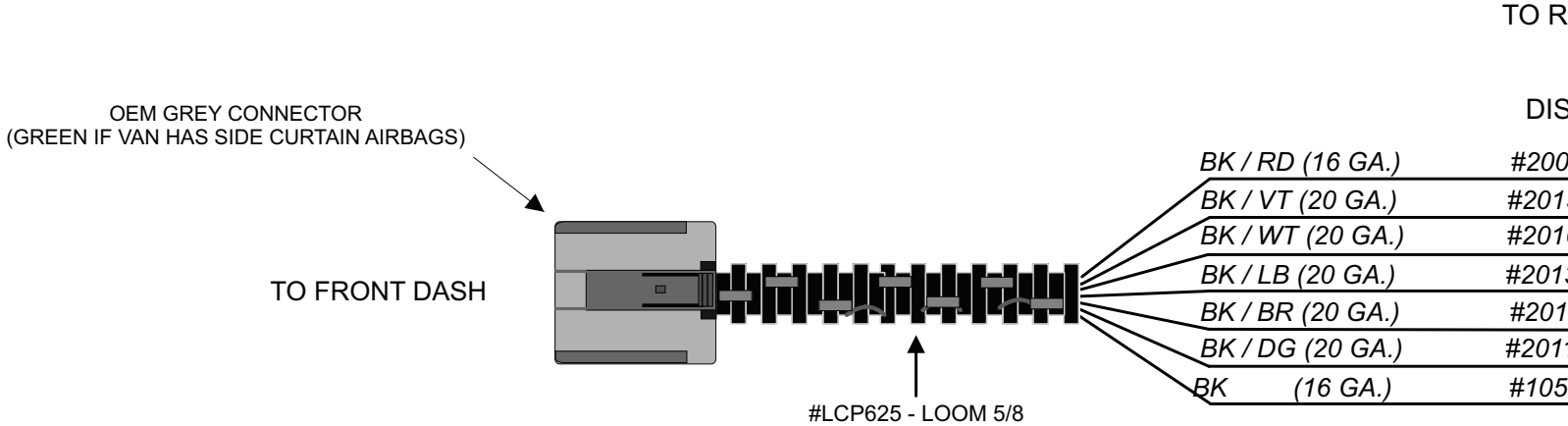
	Foldout Ramp or 8 Inch ITF Ramp	10 Inch ITF Ramp
Rollx Vans Part #	#07018-001	#07017-001
OEM Snake #	4874 122AE	4874 122AE
	Foldout Ramp or 8 Inch ITF Ramp w/ Side Curtain Airbags (SCA)	**10 Inch ITF Ramp w/ Side Curtain Airbags (SCA)**
Rollx Vans Part #	#07018-002	#07017-002
OEM Snake #	4874 484AD	4874 484AD

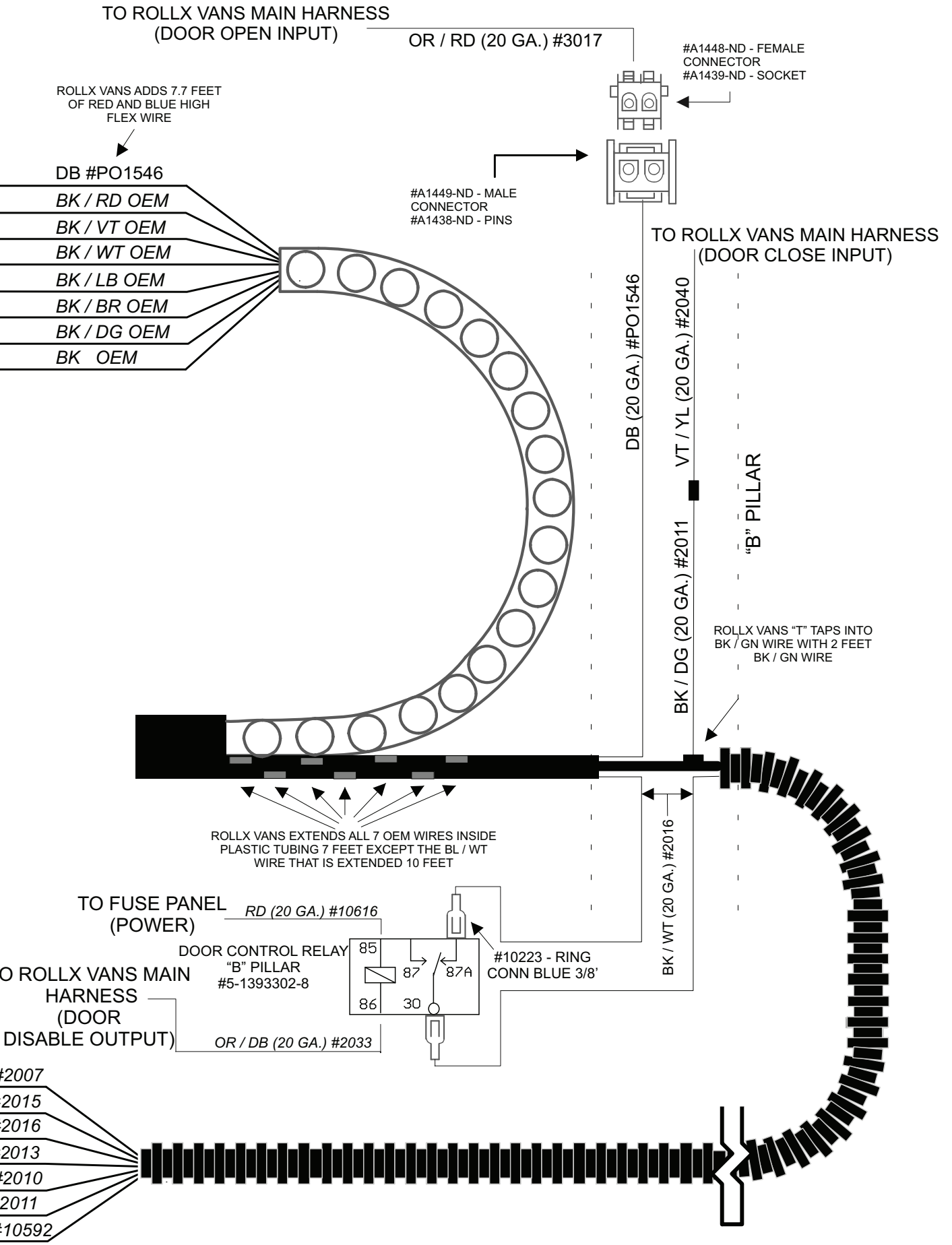



TO ROLLX VANS MAIN HARNESS
(DOOR OPEN INPUT)
OR / RD (20 GA.) #3017
#A1448-ND - FEMALE CONNECTOR
#A1439-ND - SOCKET
ROLLX VANS ADDS 7.7 FEET OF RED AND BLUE HIGH FLEX WIRE
DB (20 GA.) #PO1546
RD (20 GA.) #PO1575
BK / RD (16 GA.) OEM
BK / VT (20 GA.) OEM
BK / WT (20 GA.) OEM
BK / LB (20 GA.) OEM
BK / BR (20 GA.) OEM
BK / DG (20 GA.) OEM
BK (16 GA.) OEM
#A1449-ND - MALE CONNECTOR
#A1438-ND - PINS
TO ROLLX VANS MAIN HARNESS
(DOOR CLOSE INPUT)
OR (20 GA.) #PO1576
VT / YL (20 GA.) #2040
"B" PILLAR
BK / DG (20 GA.) #2011
#11208 - LOOM 1/4
ROLLX VANS "T" TAPS INTO BK / GN WIRE WITH 2 FEET BK / GN WIRE
ROLLX VANS EXTENDS ALL 7 OEM WIRES INSIDE PLASTIC TUBING 7 FEET EXCEPT THE BL / WT WIRE THAT IS EXTENDED 10 FEET
BK / WT (20 GA.) #2016
TO FUSE PANEL
(POWER)
RD (20 GA.) #10616
85
87
87A
86
30
#10223 - RING CONN BLUE 3/8'
DOOR CONTROL RELAY
"B" PILLAR
#5-1393302-8
TO ROLLX VANS MAIN HARNESS
(DOOR DISABLE OUTPUT)
OR / DB (20 GA.) #2033
BK / RD #2007
BK / VT #2015
BK / WT #2016
BK / LB #2013
BK / BR #2010
BK / DG #2011
BK #10592

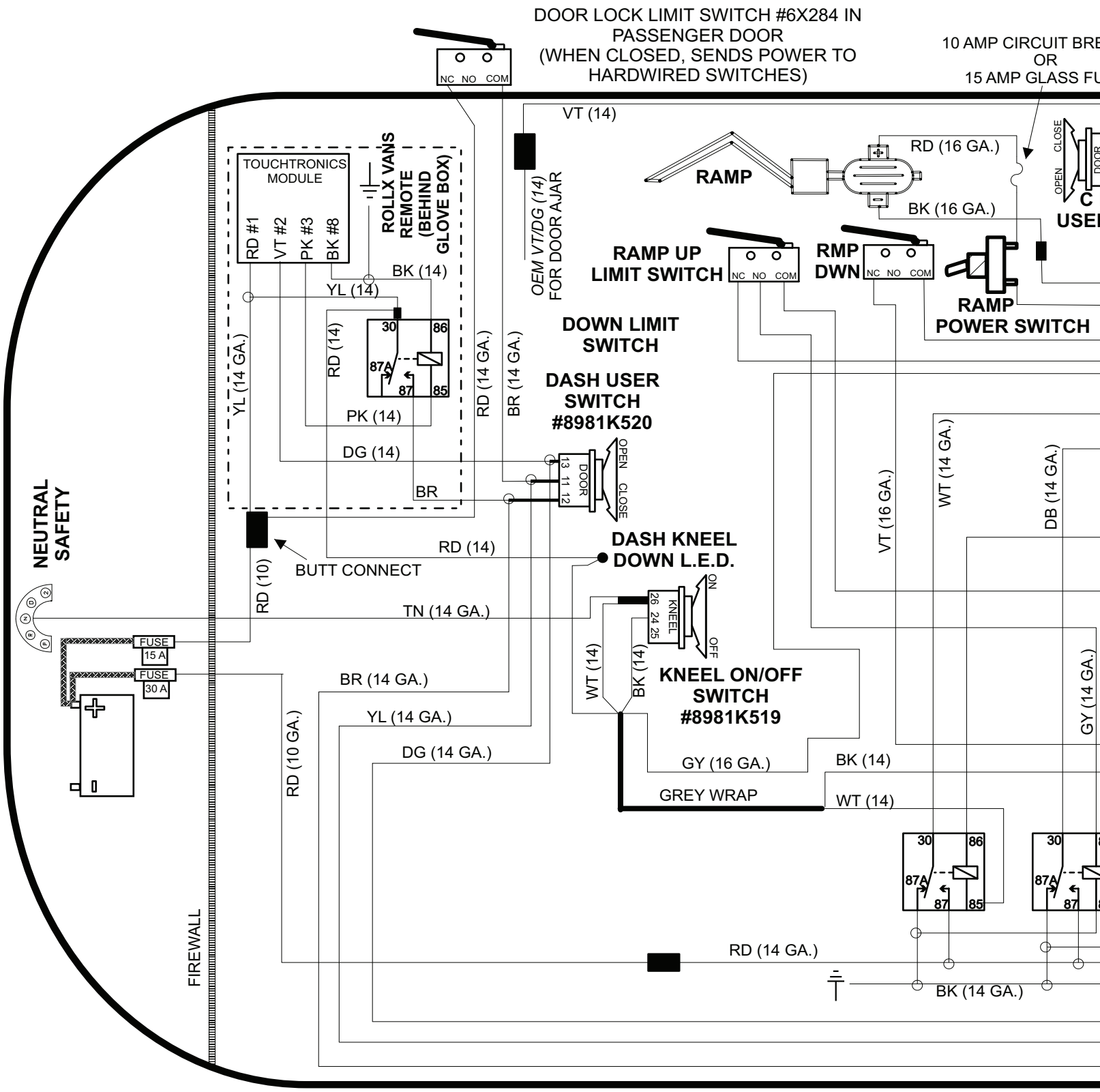


	Foldout Ramp or 8 Inch ITF Ramp
Rollx Vans Part #	#07018-001
OEM Snake #	4874 122AE
	Foldout Ramp or 8 Inch ITF Ramp w/ Side Curtain Airbags (SCA)
Rollx Vans Part #	#07018-002
OEM Snake #	4874 484AD


TO R
DIS
OEM GREY CONNECTOR
(GREEN IF VAN HAS SIDE CURTAIN AIRBAGS)
TO FRONT DASH
BK / RD (16 GA.) #200
BK / VT (20 GA.) #201
BK / WT (20 GA.) #201
BK / LB (20 GA.) #201
BK / BR (20 GA.) #201
BK / DG (20 GA.) #201
BK (16 GA.) #105
#LCP625 - LOOM 5/8


TO ROLLX VANS MAIN HARNESS
(DOOR OPEN INPUT)
OR / RD (20 GA.) #3017
#A1448-ND - FEMALE CONNECTOR
#A1439-ND - SOCKET
ROLLX VANS ADDS 7.7 FEET OF RED AND BLUE HIGH FLEX WIRE
DB #PO1546
BK / RD OEM
BK / VT OEM
BK / WT OEM
BK / LB OEM
BK / BR OEM
BK / DG OEM
BK OEM
#A1449-ND - MALE CONNECTOR
#A1438-ND - PINS
TO ROLLX VANS MAIN HARNESS
(DOOR CLOSE INPUT)
DB (20 GA.) #PO1546
VT / YL (20 GA.) #2040
"B" PILLAR
BK / DG (20 GA.) #2011
ROLLX VANS "T" TAPS INTO BK / GN WIRE WITH 2 FEET BK / GN WIRE
ROLLX VANS EXTENDS ALL 7 OEM WIRES INSIDE PLASTIC TUBING 7 FEET EXCEPT THE BL / WT WIRE THAT IS EXTENDED 10 FEET
BK / WT (20 GA.) #2016
TO FUSE PANEL
(POWER)
RD (20 GA.) #10616
DOOR CONTROL RELAY
"B" PILLAR
#5-1393302-8
85
87
87A
86
30
#10223 - RING CONN BLUE 3/8'
O ROLLX VANS MAIN HARNESS
(DOOR
DISABLE OUTPUT)
OR / DB (20 GA.) #2033
#2007
2015
2016
2013
#2010
2011
10592

Rollx Vans Power Door

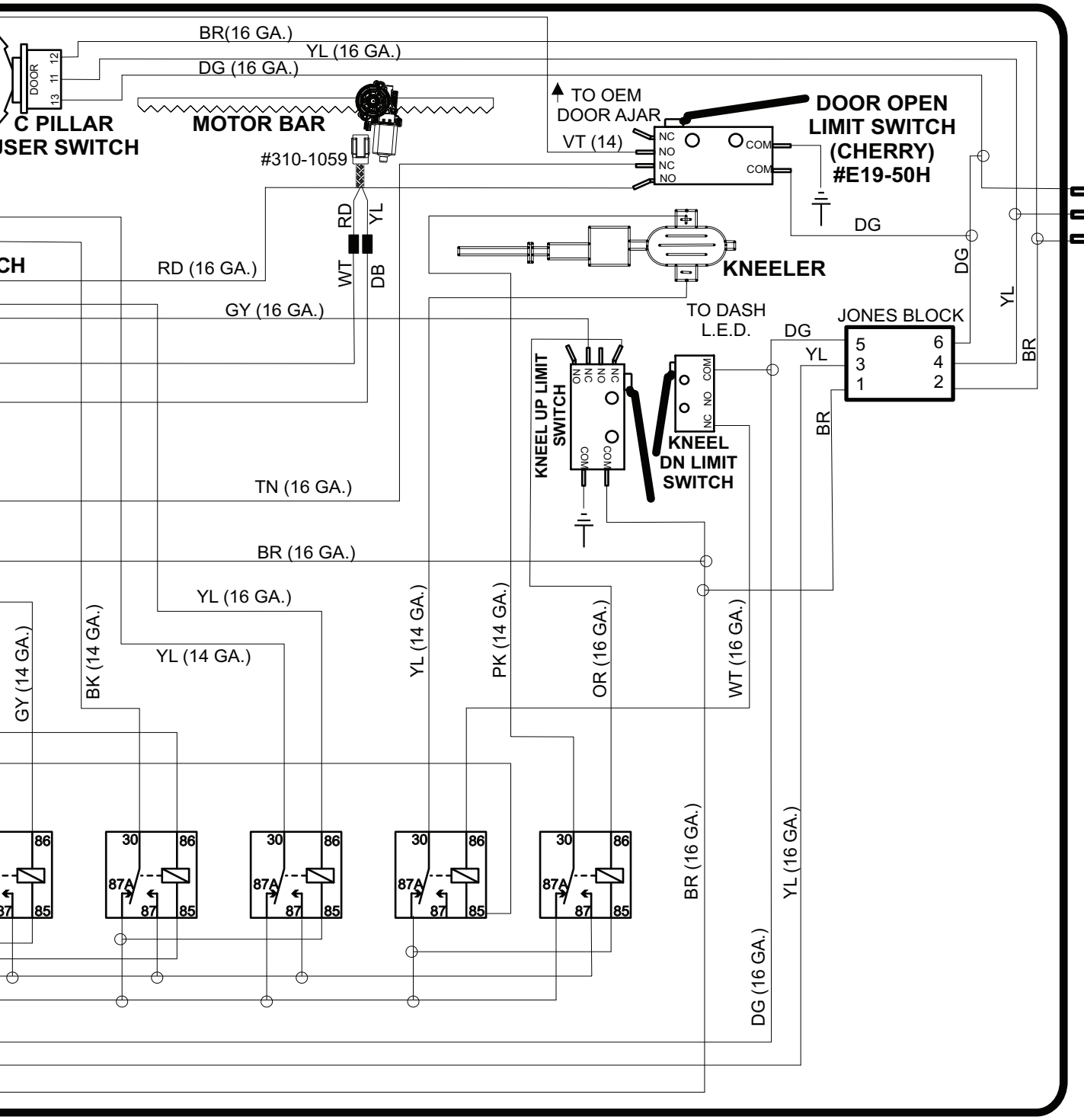


LOCA

or (Motor Bar) Wiring Diagram

BREAKER

S FUSE

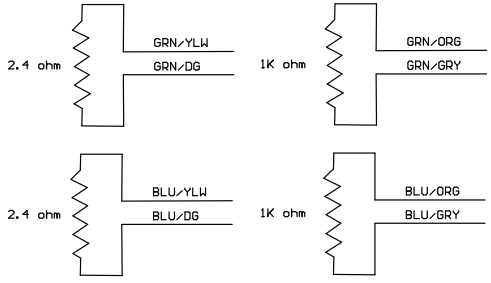


OR CLOSE RAMP DOWN RAMP UP KNEEL DOWN KNEEL UP

RELAYS (#5-1393302-8)

OCATED IN OEM SPARE TIRE KIT COMPARTMENT

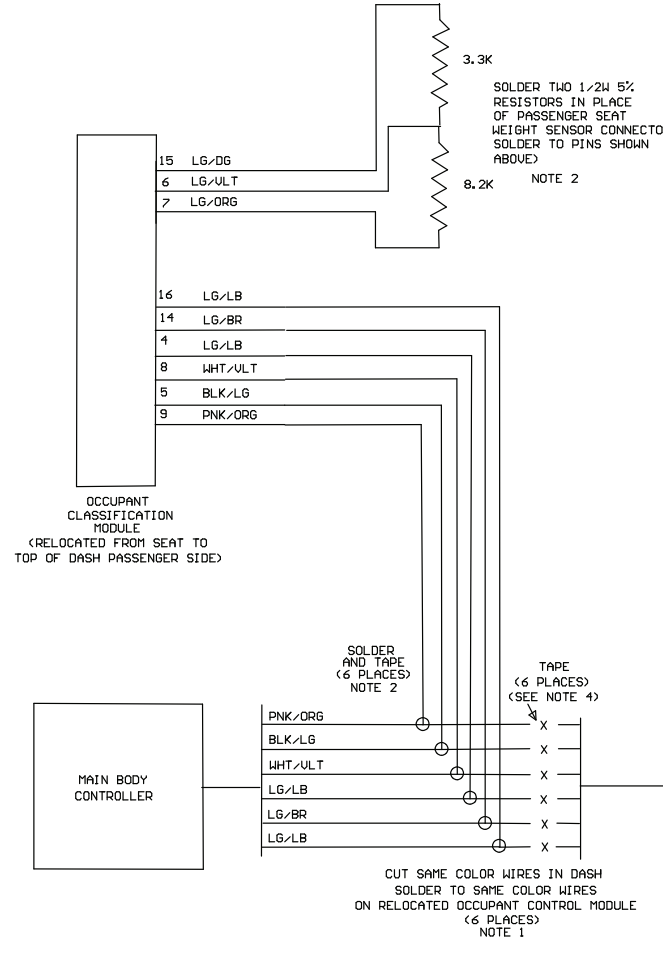
SEAT SWITCH/SENSOR DEFEATS



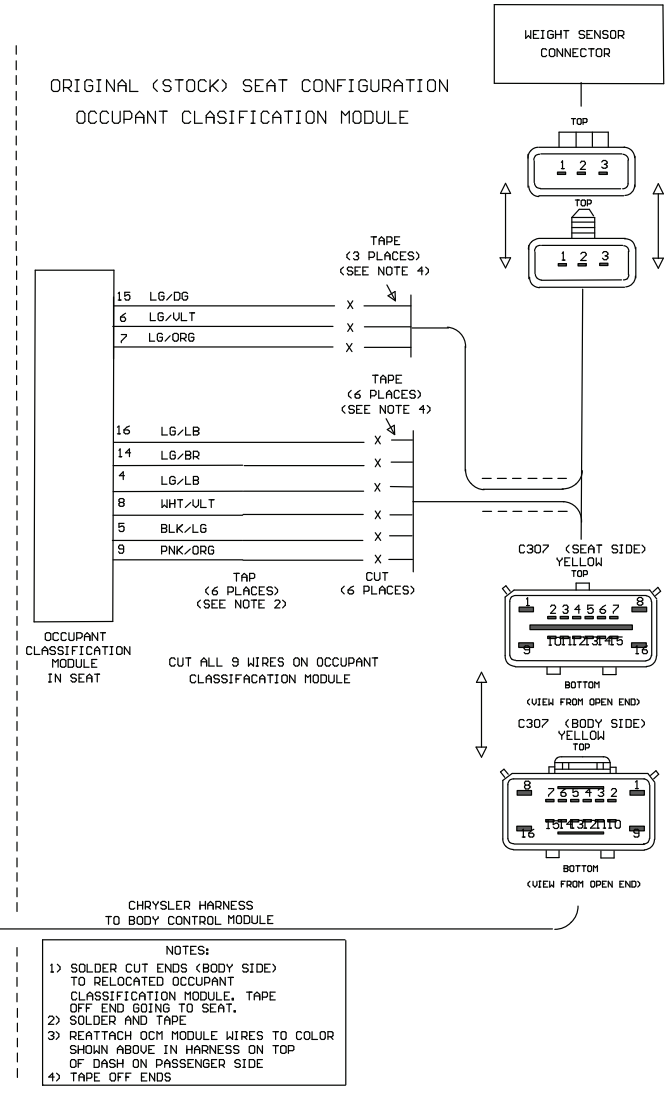
PROCEDURES

1) CUT ALL 9 WIRES FROM THE CHRYLSER HARNESS GOING TO THE OCCUPANT CLASSIFICATION MODULE (IN THE PASSENGER SEAT) 6 INCHES BACK FROM THE CONNECTOR.
2) TAPE OFF ENDS CONNECTED TO SEAT CONNECTOR
3) REMOVE OCCUPANT CLASSIFICATION MODULE FROM SEAT. RELOCATE IT ON TOP OF DASH ON THE PASSENGER SIDE JUST TO THE LEFT OF THE SPEAKER. MOUNT IT WITH 2 STRIPS OF DOUBLE SIDED VELCRO.
4) SOLDER THE 6 WIRES FROM THE OCCUANT CLASSIFIACTION MODULE TO THE SAME COLOR WIRES ON THE CHRYSLER HARNESS FOUND UNDER THE DASH ON THE PASSENGER SIDE
5) SOLDER 2 RESISTORS TO PRESSURE SENSOR WIRES ON OCCUPANT CLASSFICATION MODULE AS SHOWN ABOVE.
5) SOLDER 2.4 OHM AND 1K OHM RESISTORS TO THE SQUID WIRES AS SHOWN ABOVE

WIRING FOR RELOCATED OCCUPANT CLASSIFICATION MODULE



ORIGINAL (STOCK) SEAT CONFIGURATION OCCUPANT CLASIFICATION MODULE



NOTES:
1) SOLDER CUT ENDS (BODY SIDE) TO RELOCATED OCCUPANT CLASSIFICATION MODULE. TAPE OFF END GOING TO SEAT.
2) SOLDER AND TAPE
3) REATTACH OCM MODULE WIRES TO COLOR SHOWN ABOVE IN HARNESS ON TOP OF DASH ON PASSENGER SIDE
4) TAPE OFF ENDS

Power Seat Connectors and Wiring

(Click on Desired Topic)

Power Seat Configuration #1

- Driver Seat with Power

Power Seat Configuration #2

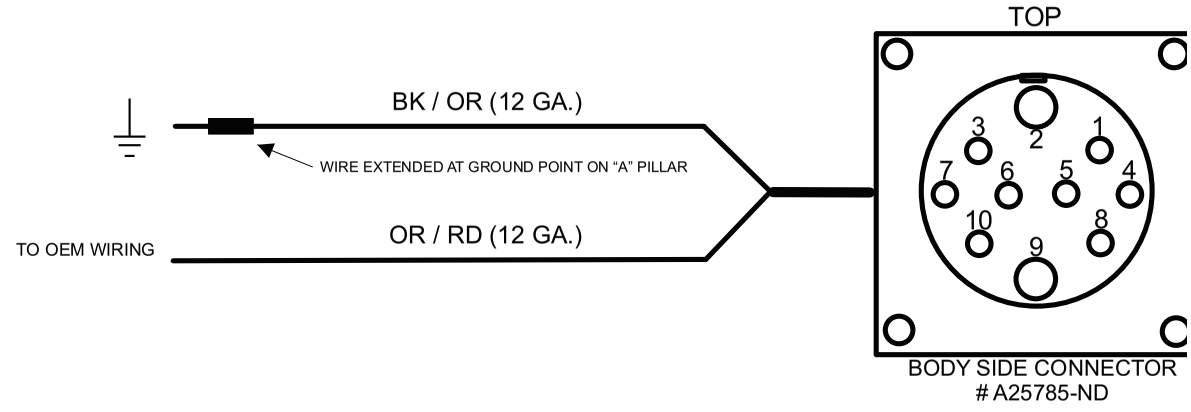
- Driver Seat with Power and Heat
- Passenger Seat with Power and Heat

Power Seat Configuration #3

- Driver Seat with Power and Heat
- Passenger Seat with Power and Heat
- Driver Seat with Memory (Body Side)
- Driver Seat with Memory (Seat Side)

Body Side Wire Harness and Connector

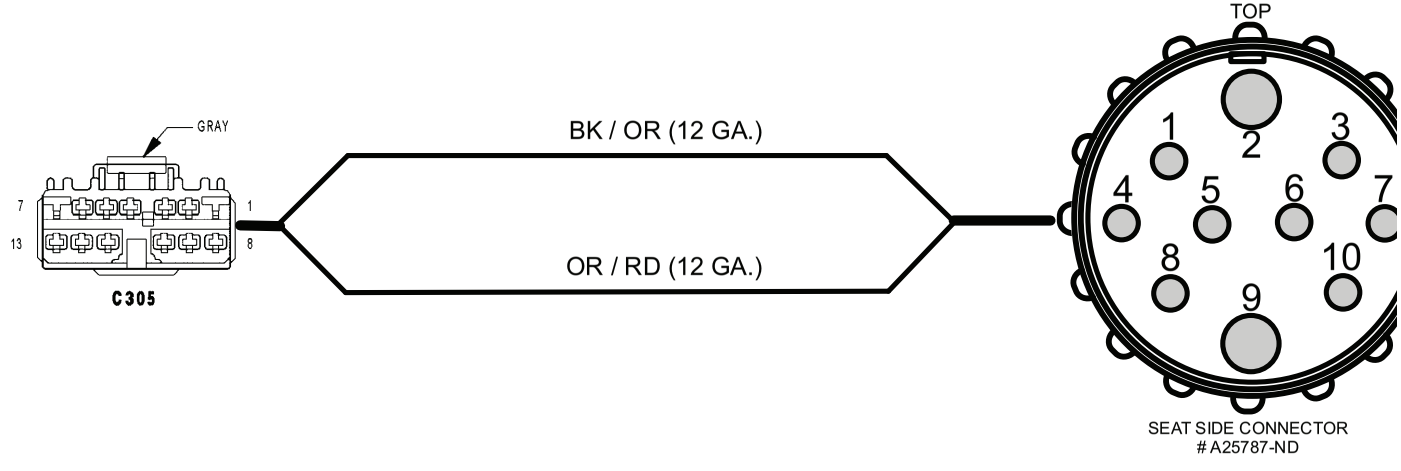
Service Kit #07079-002



CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	SOCKET PART #
2	BK / OR	#2003	4	SEAT GRD	A25069-ND
9	OR / RD	OEM	0	SEAT PWR	A25069-ND
		#10939	2.6	LOOM 1/2	
		#10940	2	LOOM 3/8	
		#A16040	1	CAP, PLASTIC	
		#22204	0.125	SHRINK WRAP	

Seat Side Wire Harness and Connector

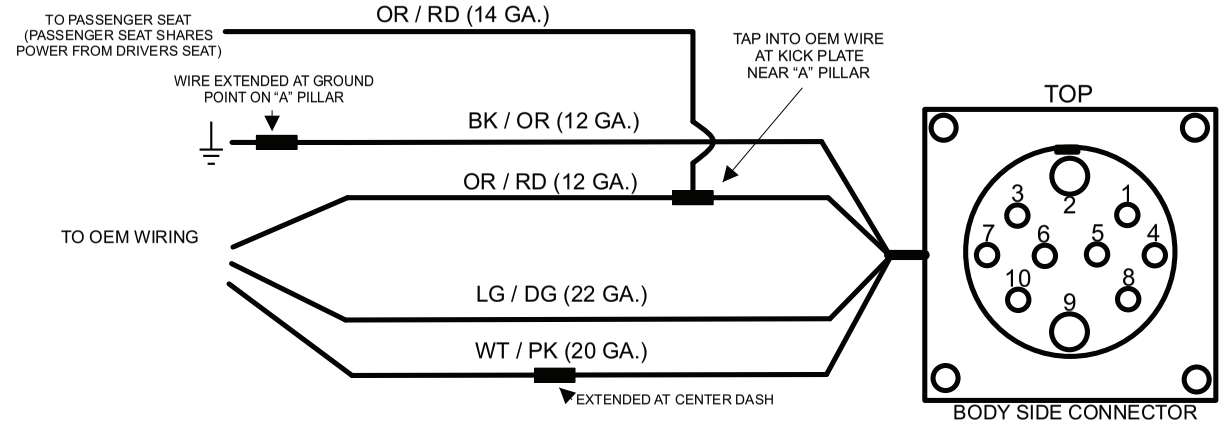
Service Kit #07079-001
(OEM connector not included)



CAV	OEM CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	PIN PART #
2	1	BK / OR	OEM	0	SEAT GRD	A25068-ND
9	9	OR / RD	OEM	0	SEAT PWR	A25068-ND
			#LCP625	3	LOOM 5/8	

Body Side Wire Harness and Connector

Service Kit #07079-004

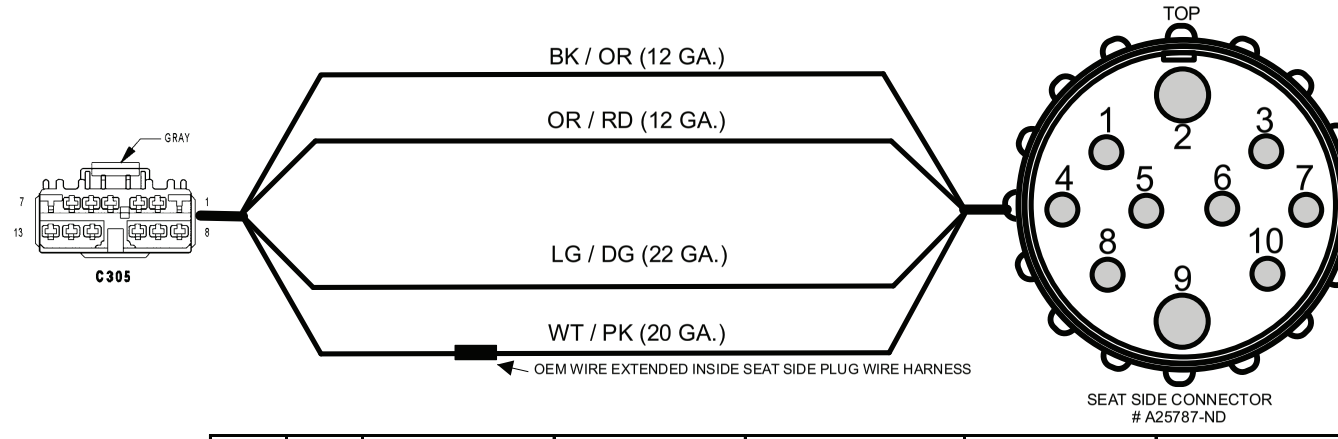


BODY SIDE CONNECTOR
A25785-ND

CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	SOCKET PART #
2	BK / OR	#2003	4	SEAT GRD	A25069-ND
9	OR / RD	OEM	0	SEAT PWR	A25069-ND
4	LG / DG	OEM	0	HEAT SWITCH	A1661-ND
7	WT / PK	2044	8.5	HEAT PWR (IGN. HOT)	A1661-ND
		#10939	2.6	LOOM 1/2	
		#10940	2	LOOM 3/8	
		#A16040	1	CAP, PLASTIC	
		#22204	0.25	SHRINK WRAP	

Seat Side Wire Harness and Connector

Service Kit #07079-003
(OEM connector not included)

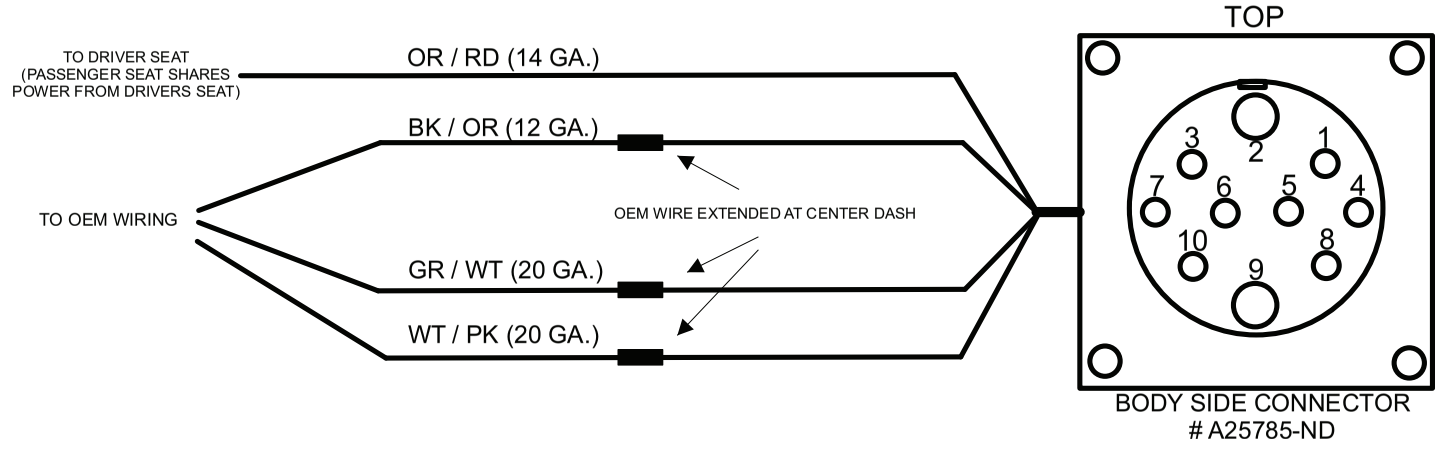


SEAT SIDE CONNECTOR
A25787-ND

CAV	OEM CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	PIN PART #
2	1	BK / OR	OEM	0	SEAT GRD	A25068-ND
9	7	OR / RD	OEM	0	SEAT PWR	A25068-ND
4	4	LG / DG	OEM	0	HEAT SWITCH	A1648-ND
7	6	WT / PK	2044	3	HEAT PWR (IGN. HOT)	A1648-ND
			#LCP625	3	LOOM 5/8	
			#22204	0.125	SHRINK WRAP	

Body Side Wire Harness and Connector

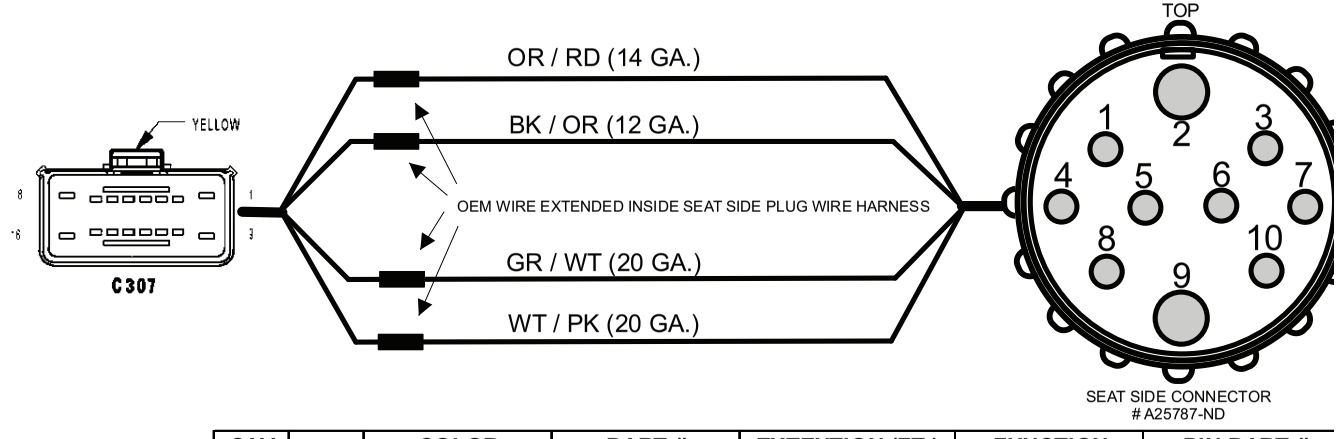
Service Kit #07079-006



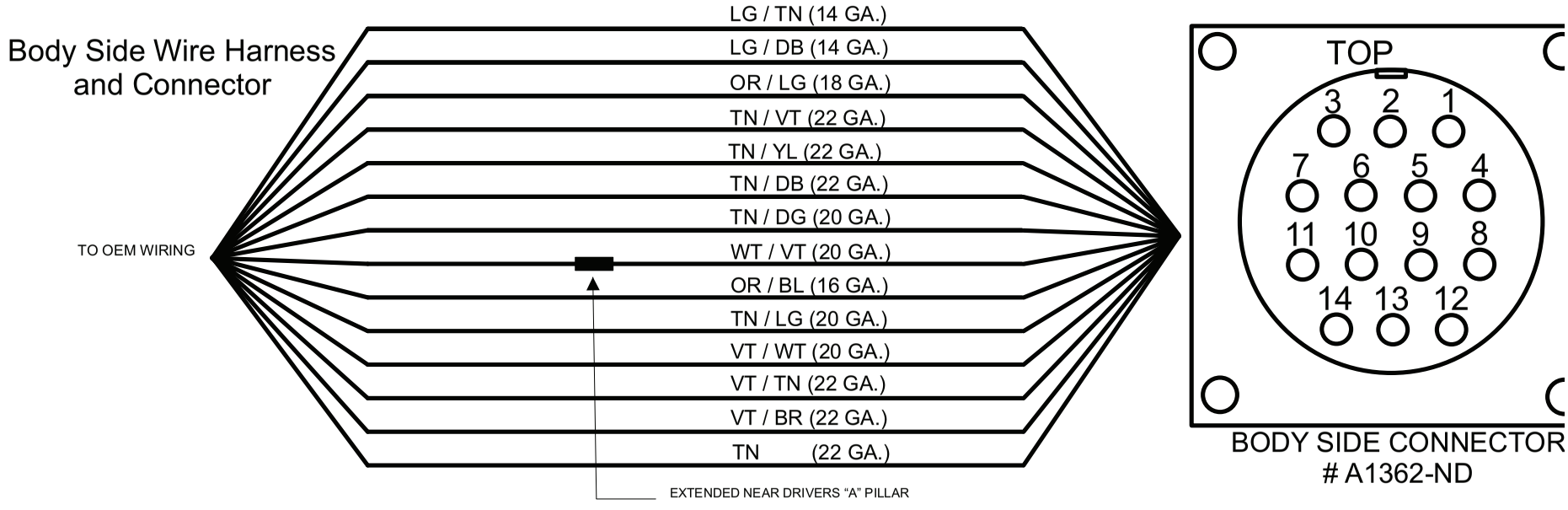
CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	SOCKET PART #
2	BK / OR	#2003	7	SEAT GRD	A25069-ND
9	OR / RD	#2004	18	SEAT PWR	A25069-ND
4	GR / WT	#2057	7	HEAT SWITCH	A1661-ND
7	WT / PK	#2044	7	HEAT PWR (IGN. HOT)	A1661-ND
		#10939	2.6	LOOM 1/2	
		#A16040	1	CAP, PLASTIC	
		#22204	0.5	SHRINK WRAP	

Seat Side Wire Harness and Connector

Service Kit #07079-005
(OEM connector not included)



CAV	OEM CAV	COLOR	PART #	EXTENTION (FT.)	FUNCTION	PIN PART #
2	1	BK / OR	#2003	3	SEAT GRD	A25068-ND
9	8	OR / RD	#2004	3	SEAT PWR	A25068-ND
4	2	GR / WT	#2057	3	HEAT SWITCH	A1648-ND
7	15	WT / PK	#2044	3	HEAT PWR (IGN. HOT)	A1648-ND
			#LCP625	3	LOOM 5/8	
			#22204	0.5	SHRINK WRAP	


Body Side Wire Harness
and Connector
TO OEM WIRING
LG / TN (14 GA.)
LG / DB (14 GA.)
OR / LG (18 GA.)
TN / VT (22 GA.)
TN / YL (22 GA.)
TN / DB (22 GA.)
TN / DG (20 GA.)
WT / VT (20 GA.)
OR / BL (16 GA.)
TN / LG (20 GA.)
VT / WT (20 GA.)
VT / TN (22 GA.)
VT / BR (22 GA.)
TN (22 GA.)
EXTENDED NEAR DRIVERS "A" PILLAR
TOP
3 2 1
7 6 5 4
11 10 9 8
14 13 12
BODY SIDE CONNECTOR
A1362-ND

CAV	COLOR	PART #	EXT. (FT.)	FUNCTION	SOCKET PART #
1	LG / TN	OEM	0	ADJUSTABLE PEDALS MOTOR REARWARD	A25069-ND
2	LG / DB	OEM	0	ADJUSTABLE PEDALS MOTOR FORWARD	A25069-ND
3	OR / LG	OEM	0	ADJUSTABLE PEDALS MOTOR FORWARD	A1661-ND
4	TN / VT	OEM	0	LEFT MIRROR HORIZONTAL POSITION	A1661-ND
5	TN / YL	OEM	0	RIGHT MIRROR HORIZONTAL POSITION	A1661-ND
6	TN / DB	OEM	0	LEFT MIRROR SENSOR GROUND	A1661-ND
7	TN / DG	OEM	0	LEFT MIRROR UP DRIVER	A1661-ND
8	WT / VT	#2046	10	PCI BUS	A1661-ND
9	OR / BL	OEM	0	ADJUSTABLE PEDALS SWITCH REARWARD	A1661-ND
10	TN / LG	OEM	0	RIGHT MIRROR SENSOR GROUND	A1661-ND
11	VT / WT	OEM	0	ADJUSTABLE PEDAL RETURN SIGNAL	A1661-ND
12	VT / TN	OEM	0	ADJUSTABLE PEDALS SENSOR FEED	A1661-ND
13	VT / BR	OEM	0	ADJUSTABLE PEDALS SENSOR SIGNAL	A1661-ND
14	TN	OEM	0	LEFT MIRROR VERTICAL POSITION SIGNAL	A1661-ND
		#A16040	1	CAP, PLASTIC	
		#22204	0.125	SHRINK WRAP	

Doors

Door track - Periodically make sure lower door track is free of debris and vacuum track out. Make certain to clear out any water and ice that may be present.

Rollx Vans power door (If equipped) - Every 6 months lube the gear rack (bar) with a high quality white lithium grease. Make sure to clean off any old grease first.

Kneel System

Kneel chain - Every 6 months spray the chain inside the rubber boot with a high quality oil to lubricate and protect.

Ramps

Folding ramp - Every 6 months spray the ramp's lower and upper hinge with high quality silicon lubricant.

In The Floor ramp - Every 6 months spray the ramp access cover's flap hinge with a high quality silicon lubricant.

New Rollx Vans Van Warranty Coverage Information

Rollx Vans provids a limited warranty on its minivan against defects in material or workmanship for a period of 3 years or 36,000 miles, whichever comes first. For warranty specifics please refer to an Owner's Manual or contact Rollx Vans customer service.

For all warranty or reimbursement needs, you must have prior authorization by the Rollx Vans Service Department.

1. Call 1-800-956-6668, and a Rollx Vans Customer Service Representative will assist you in any concerns or issues you have with your van.

2. The service representative will evaluate what repair is needed, and either set up an appointment with an "At Home" service technician or direct you to a nearby service facility. An authorization number must be issued.

Rollx Vans will work with many repair facilities. Rollx Vans reserves the right to approve a repair shop or recommend an alternative.

Rollx Vans may request that defective parts be returned to our customer service department for inspection. If defective parts are found to be defective because of abuse or neglect, reimbursement for the new replacement parts may be denied. Rollx Vans reserves the right to use rebuilt components.

Rollx Vans will ship all warranted replacement parts by nationwide carrier. In most cases, shipment will be by ground transport and absorbed by Rollx Vans. Any other mode of transportation will be at the expense of the customer.

Our Mission

To improve the quality of life of people with disabilities of all income levels by delivering the best modified vehicle.

We intend to keep that customer for life by following up with a level of service that exceeds all of their expectations.

Our Values

Quality • Compassion • Honesty • Integrity • Fairness